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CENTER REPORT. PREDICTED ORBIT PLOTS FOR
HAWKEYE 1, 1976 (NASA) 192 p HC \$7.50

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IMS/Satellite Situation Center Report

Predicted Orbit Plots for
Hawkeye 1 - 1976

REPORT NO. 2

DECEMBER 1975



I. INTRODUCTION

This report contains predicted orbit plots for the Hawkeye 1 satellite for the time period January-December 1976. This satellite has been identified as an important possible contributor to the International Magnetospheric Study (IMS) project. The predicted orbit plots are shown in three projections. The time period covered by each set of projections is 2 days 1 hour, corresponding approximately to the period of Hawkeye 1. The three coordinate systems used are the Geocentric Solar Ecliptic system (GSE), the Geocentric Solar Magnetospheric system (GSM), and the Solar Magnetic system (SM).

For the GSE system, the X-axis is along the Earth-Sun line toward the Sun, and the Z-axis is perpendicular to the ecliptic plane such that the Y-axis is toward dusk. The GSE projection at the top left of the set of three plots shows the satellite trajectory rotated into the X-Y plane in order to illustrate the relative positions of the satellite and the bow shock and magnetopause boundaries. Fairfield's model (1971) for the average position of these boundaries has been used. This model corresponds to a solar wind velocity of 420 km/sec. For positive X values, a spherical rotation of the satellite radius vector has been performed at constant ecliptic longitude. For negative X values, a cylindrical rotation of the Y and Z components of the radius vector has been performed at constant X.

For the GSM system, the X-axis is along the Earth-Sun line toward the Sun, and the X-Z plane contains the geomagnetic dipole such that the Z-axis is positive northward and the Y-axis is toward dusk. The GSM projection at the top right of the set of three plots shows the satellite trajectory projected onto the Y-Z plane in order to show the relative position of the satellite and the neutral sheet. A simple model for the neutral sheet is assumed: the sheet is hinged onto the geomagnetic equator at 10 Earth radii in the antisolar direction and lies in the GSM X-Y plane. The neutral sheet positions are shown as horizontal lines corresponding to six equally spaced times of the first day covered by the plot. The extent of the horizontal lines in Y has no significance. The projected trajectories are shown as solid lines for $X < -10$ Earth radii and as dashed lines for $X > -10$ Earth radii. The dashed lines indicate that the satellite is not in the region of the neutral sheet regardless of Z values.

For the SM system, the Z-axis contains the north magnetic pole, and the Y-axis is perpendicular to the Earth-Sun line toward dusk. The satellite trajectory is shown at the bottom of the set of three plots as magnetic latitude and magnetic local time. These values of magnetic latitude and magnetic local time use SM latitude and longitude as a basis.

For each of the three projections, time ticks and codes are given on the satellite trajectories. The codes are interpreted in the table at the base of each plot. Time is given in the table as year/day/decimal

hour. The total time covered by each plot is shown at the bottom of each table. An additional variable is given in the table for each time tick. For the GSM and SM projection this variable is the geocentric distance to the satellite in Earth radii, and for the GSE projection the variable is satellite ecliptic latitude in degrees.

For the orbit predictions shown in this report actual spacecraft elements for epoch April 1975 were used. The predicted elements for January 1, 1976, are shown in Table 1.

II. HAWKEYE 1 ORBIT CHARACTERISTICS FOR 1976

The high inclination of the Hawkeye 1 satellite precludes neutral sheet encounters, and thus the GSM projections shown in this report are of limited value. However, the precession of apogee in longitude provides a number of extremely useful cusp passes, magnetosheath passes, magnetopause passes, and bow shock encounters throughout 1976. It should be noted that the Hawkeye 1 satellite is the only satellite that potentially provides good coverage of the direct access region in 1976, and is therefore particularly important to the IMS in this respect.

II.1 Cusp Passes

For the present purposes the direct access or cusp region is taken as that given by Heikkila (1972) for low-energy particles and extends over the magnetic latitude range, 75° to 80° north, and over the local magnetic time range, 8 hours to 16 hours. In addition, the access region is bounded by the magnetopause boundary given by Fairfield's model (1971). Note that the Hawkeye 1 satellite is not well suited for observing the corresponding access region in the Southern Hemisphere. Fifteen Hawkeye 1 passes through the direct access region have been identified for 1976 and are summarized in Table 2. The passes indicated in this table are those with duration greater than 3 hours. There are many other passes of shorter duration in 1976. The table shows approximate entry and exit times and time in the cusp region, together with the approximate altitude range covered. The first altitude given corresponds to the entry time. Most of the passes are in pairs corresponding to consecutive revolutions, and it is evident from the table that most occur in the first 3 months of 1976. As apogee precesses away from the direct access region early in the year into the interplanetary medium in March, the altitude range covered by the Hawkeye 1 direct access passes becomes progressively lower.

II.2 Magnetopause and Bow Shock Crossings

The Hawkeye 1 satellite encounters the model magnetosphere boundary twice per revolution (period = 2871 min) throughout 1976.

Table 3 is a summary of these magnetopause crossings that shows, for any given time period, the quadrants in which these encounters occur. Over the time periods Day 5-222 and Day 339-366, Hawkeye 1 is in interplanetary space for a variable portion of each revolution. Over the same time period, therefore, there are two bow shock encounters per revolution. These encounters occur for positive X_{GSE} only. The quadrants in which the encounters occur are summarized in Table 4. Over the time periods Day 222-240 and Day 300-339, the Hawkeye 1 trajectory is particularly suitable for observing the magnetosheath. For these time periods the satellite spends between 17 hours and 22 hours per revolution in this region. For the first time period the passes are predominantly in the noon/dawn and dawn/midnight quadrants, and for the second time period in the midnight/dusk and dusk/noon quadrants.

III. SPACECRAFT AND EXPERIMENT STATUS

The Hawkeye 1 satellite carries three experiments, all of interest to IMS participants: low-energy electron and proton analyzers (L. A. Frank), ELF/VLF receivers (D. A. Gurnett), and a triaxial fluxgate magnetometer (J. A. Van Allen). Note that of these three principal investigators only D. A. Gurnett appears in the IMS Directory (IMS Program Summary No. 0181). Brief descriptions of these experiments are given in pages 7-9. At the present time these experiments are functioning normally. However, data are presently being taken from Hawkeye 1 only approximately 50 percent of the time (see brief descriptions for details). Further, the present plans are to terminate Hawkeye 1 operations during July 1976. However, it is hoped that the obvious contribution of the satellite to the IMS project will result in continued operation at least on a partial basis.

IV. FUTURE OPERATIONS

The Satellite Situation Center (SSC) maintains orbit prediction plots on 16-mm microfilm for Hawkeye 1 of the type shown in this document for the time period January 1977 through May 1978, when the satellite is expected to reenter. These plots may be obtained upon request.

REFERENCES

1. Fairfield, D. H., "Average and Unusual Locations of the Earth's Magnetopause and Bow Shock," J. Geophys. Res., 76, 28, 6700, October 1971.
2. Heikkila, W., "Penetration of Particles into the Polar Cap Regions of the Magnetosphere," Critical Problems of Magnetospheric Physics, Proceedings of the Joint COSPAR/IAGA/URSI Symposium, Madrid, May 1972.

Table 1. ORBIT PARAMETER SUMMARY TABLE FOR HAWKEYE 1

Alternate Satellite Names	Injun-F Neutral Point Explorer Explorer 52
International ID	74-040A
Epoch (YY-MM-DD-HH-MM)	76-01-01-00-00
Period (min)	2871
Eccentricity	.847
Inclination (deg)	88.5
R.A. of Ascending Node (deg)	287.74
Argument of Perigee (deg)	253.99
Mean Anomaly (deg)	257.89
Semimajor Axis (km)	70040.147
Perigee Height (km)	4336.88
Apogee Height (km)	122987.081
Local Time of Apogee (HH-MM)	12-36
Latitude of Perigee (deg)	-73.35

Table 2. MAJOR CUSP PASSES FOR HAWKEYE 1 IN 1976

Entry Time (day/hr)	Exit Time (day/hr)	Time in Cusp (hr)	Altitude Range (Earth radii)
2/23.0	3/7.0	8.0	19 - 14.3
5/ 4.0	5/8.0	4.0	17.7 - 15.8
17/23.0	18/7.0	8.0	17.8 - 13.2
20/ 4.0	20/8.0	4.0	17.1 - 14.9
33/ 0.0	33/6.0	6.0	16.8 - 12.8
35/ 3.0	35/7.5	4.5	16.9 - 14.2
48/ 0.0	48/6.0	6.0	16.0 - 11.5
50/ 2.0	50/7.0	5.0	16.6 - 13.5
63/ 0.0	63/5.0	5.0	15.0 - 11.0
65/ 2.0	65/7.0	5.0	15.9 - 12.2
78/ 1.0	74/4.5	3.5	13.3 - 9.9
80/ 2.0	80/6.0	4.0	15.0 - 11.7
92/23.0	93/2.5	3.5	13.7 - 10.5
351/ 0.0	351/7.0	7.0	16.1 - 10.5
366/ 0.0	366/6.5	6.5	15.0 - 9.3

Table 3. MAGNETOPAUSE CROSSINGS FOR HAWKEYE 1 IN 1976

Time Period (days)	GSE Quadrant			
	Noon/Dawn	Dawn/Midnight	Midnight/Dusk	Dusk/Noon
1-23			1/rev	1/rev
23-76	1/rev		1/rev	
76-121	1/rev			1/rev
121-176		1/rev		1/rev
176-224	1/rev	1/rev		
224-257	1/rev		1/rev	
257-298		1/rev	1/rev	
298-329		1/rev		1/rev
329-366			1/rev	1/rev

Table 4. BOW SHOCK CROSSINGS FOR HAWKEYE 1 IN 1976

Time Period (days)	GSE Quadrant	
	Noon/Dusk	Noon/Dawn
5-33	2/rev	
33-168	1/rev	1/rev
168-222		2/rev
339-366	2/rev	

SPACECRAFT/EXPERIMENT CHARACTERISTICS

***** HAWKEYE 1 *****

SPACECRAFT COMMON NAME- HAWKEYE 1
ALTERNATE NAMES- INJUN-F, NEUTRAL POINT EXPLORER
EXPLORER 52
NSSDC ID- 74-040A

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY
AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 07/20/75.

LAUNCH DATE- 06/03/74 SPACECRAFT WEIGHT- 26.1 KG
LAUNCH SITE- VANDENBERG AFB, UNITED STATES
LAUNCH VEHICLE- SCOUT

SPONSORING COUNTRY/AGENCY
UNITED STATES NASA-OSS

INITIAL ORBIT PARAMETERS
ORBIT TYPE- GEOCENTRIC EPOCH DATE- 06/03/74
ORBIT PERIOD- 3032. MIN INCLINATION- 89.78 DEG
PERIAPSIS- 6848. KM ALT APOAPSIS- 131948. KM ALT

RECENT ORBIT PARAMETERS
ORBIT TYPE- GEOCENTRIC EPOCH DATE- 02/25/75
ORBIT PERIOD- 3076.6 MIN INCLINATION- 89.7 DEG
PERIAPSIS- 2998. KM ALT APOAPSIS- 124388. KM ALT

SPACECRAFT PERSONNEL (PM=PROJECT MANAGER, PS=PROJECT SCIENTIST)
PM - J.E. ROGERSU OF IOWA
IOWA CITY, IA
PM - C.W. COFFEE, JR.NASA-LARC
HAMPTON, VA
PS - J.A. VAN ALLENU OF IOWA
IOWA CITY, IA

SPACECRAFT BRIEF DESCRIPTION

HAWKEYE WAS PART OF THE U.S. CONTRIBUTION TO THE INTERNATIONAL MAGNETOSPHERIC STUDY. THE MAIN PURPOSE OF THIS FLIGHT WAS TO STUDY THE NEUTRAL POINT REGION OF THE MAGNETOSPHERE. THE EXPERIMENTS INCLUDED PARTICLE AND FIELD OBSERVATIONS AND LOW-ENERGY PLASMA STUDIES RELEVANT TO THE DYNAMICS OF SOLAR WIND INJECTION INTO THE MAGNETOSPHERE. THE SPACECRAFT WAS SPIN-STABILIZED WITH A SPIN RATE OF ABOUT 6 RPM AND A SPIN VECTOR PARALLEL TO THE EARTH'S EQUATORIAL PLANE. INITIAL APOGEE POSITION WAS OVER THE EARTH'S POLAR CAP IN THE NOON-DUSK QUADRANT. INITIAL SPACECRAFT AND EXPERIMENT PERFORMANCE WAS NORMAL. IN LATE JULY, 1975, OVERALL DATA COVERAGE WAS REDUCED TO 52 PER CENT BY DELETING COVERAGE WHEN THE SPACECRAFT WAS BEYOND 15 EARTH RADII. APOGEE COVERAGE WAS RESTORED FOR ONE ORBIT IN FIVE ON SEPT 24, 1975.

SPACECRAFT/EXPERIMENT CHARACTERISTICS

----- HAWKEYE 1, FRANK -----

EXPERIMENT NAME- LOW-ENERGY PROTONS AND ELECTRONS

NSSDC ID- 74-040A-02

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY

AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 07/20/75.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - L.A. FRANKU OF IOWA
IOWA CITY, IA
OI - J.D. CRAVENU OF IOWA
IOWA CITY, IA
OI - D.M. YEAGERU OF IOWA
IOWA CITY, IA

EXPERIMENT BRIEF DESCRIPTION

THIS EXPERIMENT CONSISTED OF ONE LOW-ENERGY PROTON AND ELECTRON DIFFERENTIAL ENERGY ANALYZER (LEPEDEA) ORIENTED PERPENDICULAR TO THE SATELLITE SPIN AXIS. THE LEPEDEA MEASURED PROTONS AND ELECTRONS IN 16 CHANNELS OVER AN ENERGY RANGE OF 50 EV TO 50 KEV. THE EXPERIMENT SURVEYED THE PARTICLE ENVIRONMENT OF THE MAGNETOSPHERE, ESPECIALLY NEAR THE POLAR CUSPS.

----- HAWKEYE 1, GURNETT -----

EXPERIMENT NAME- ELF/VLF RECEIVERS

NSSDC ID- 74-040A-03

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY

AT THE STANDARD DATA ACQUISITION RATE SINCE 06/03/74.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - D.A. GURNETTU OF IOWA
IOWA CITY, IA
OI - G.W. PFEIFFERU OF IOWA
IOWA CITY, IA

EXPERIMENT BRIEF DESCRIPTION

THIS EXPERIMENT CONSISTED OF TWO DETECTORS -- (1) A 16-CHANNEL SPECTRUM ANALYZER COVERING THE FREQUENCY RANGE FROM 10 HZ TO 178 KHZ WITH LOGARITHMIC SPACING AND (2) A WIDE-BAND RECEIVER COVERING THE FREQUENCY RANGE FROM 10 HZ TO 10 KHZ. THE SIGNALS FROM THE FIRST DETECTOR WERE SENT TO GROUND STATIONS DIRECTLY IN DIGITAL FORM, WHEREAS THE OUTPUT FROM THE SECOND DETECTOR WAS TRANSMITTED TO GROUND STATIONS IN ANALOG FORM. BOTH DETECTORS WERE USED IN CONNECTION WITH EITHER OF TWO ANTENNAS -- AN ELECTRIC DIPOLE ABOUT 42 METERS IN LENGTH FROM TIP TO TIP AND A SEARCH COIL ANTENNA. THE EXPERIMENT MEASURED PLASMA WAVES IN THE MAGNETOSPHERE ESPECIALLY NEAR THE POLAR CUSPS.

SPACECRAFT/EXPERIMENT CHARACTERISTICS

----- HAWKEYE 1, VAN ALLEN -----

EXPERIMENT NAME- TRIAXIAL FLUXGATE MAGNETOMETER

NSSDC ID- 74-040A-01

LAST REPORTED STATE- LAUNCHED AND OPERATING NORMALLY

AT A SUBSTANDARD DATA ACQUISITION RATE SINCE 07/20/75.

EXPERIMENT PERSONNEL (PI=PRINCIPAL INVESTIGATOR, TL=TEAM LEADER
OI=OTHER INVESTIGATOR, TM=TEAM MEMBER)

PI - J.A. VAN ALLENU OF IOWA

IOWA CITY, IA

OI - M.N. OLIVENU OF IOWA

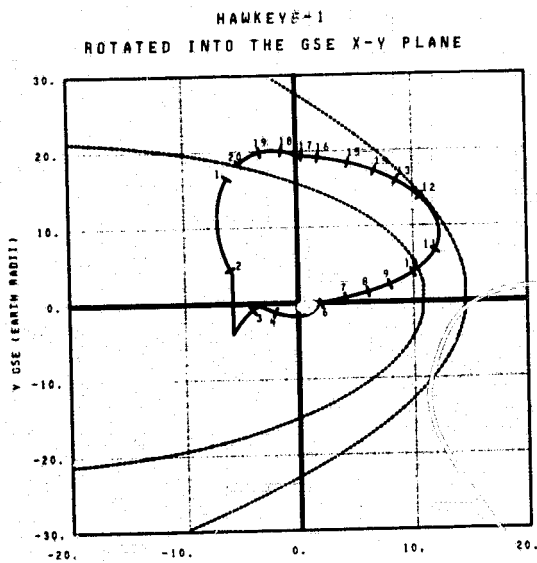
IOWA CITY, IA

OI - L.J. CAHILL, JR.U OF MINNESOTA

MINNEAPOLIS, MN

EXPERIMENT BRIEF DESCRIPTION

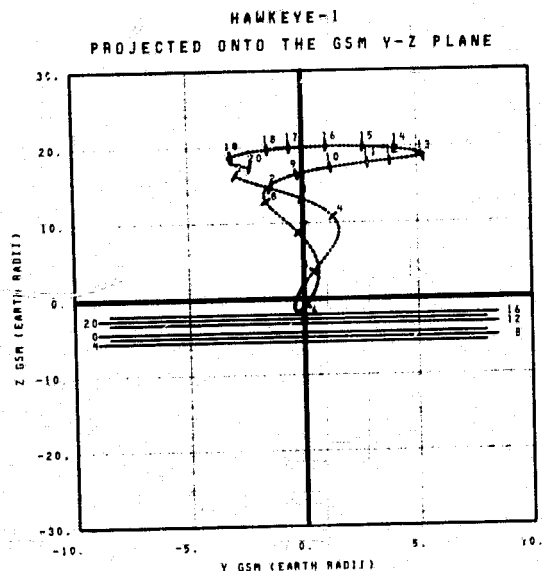
THIS EXPERIMENT CONSISTED OF A TRIAXIAL FLUXGATE
MAGNETOMETER CAPABLE OF OPERATION AT TWO LEVELS, LOW GAIN AND
HIGH GAIN. IN THE HIGH-GAIN MODE THE MAGNETOMETER RANGE IS
FROM ABOUT 0.1 TO 100 GAMMA (STRAY SATELLITE MAGNETIC FIELDS
ARE TO BE CONSTRAINED TO LESS THAN 0.1 GAMMA). IN THE LOW-GAIN
MODE THE MAGNETOMETER RANGE IS FROM 100 TO ABOUT 1000 GAMMA.
THE EXPERIMENT SURVEYED THE MAGNETIC FIELDS IN THE
MAGNETOSPHERE, ESPECIALLY NEAR THE POLAR CUSPS.



INTERPRETATION OF TIME CODE-NUMBERS

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3-1976/ 1/ 13.17H	LAT= 10.0	13-1976/ 2/ 6.17H	LAT= 80.2
4-1976/ 1/ 14.00H	LAT= -20.7	14-1976/ 2/ 7.17H	LAT= 80.8
5-1976/ 1/ 14.85H	LAT= -81.5	15-1976/ 2/ 8.17H	LAT= 81.3
6-1976/ 1/ 14.95H	LAT= -37.9	16-1976/ 2/ 9.17H	LAT= 81.6
7-1976/ 1/ 15.92H	LAT= 23.1	17-1976/ 2/ 9.67H	LAT= 81.7
8-1976/ 1/ 17.00H	LAT= 41.0	18-1976/ 2/ 10.17H	LAT= 81.2
9-1976/ 1/ 18.33H	LAT= 53.2	19-1976/ 2/ 10.17H	LAT= 79.1
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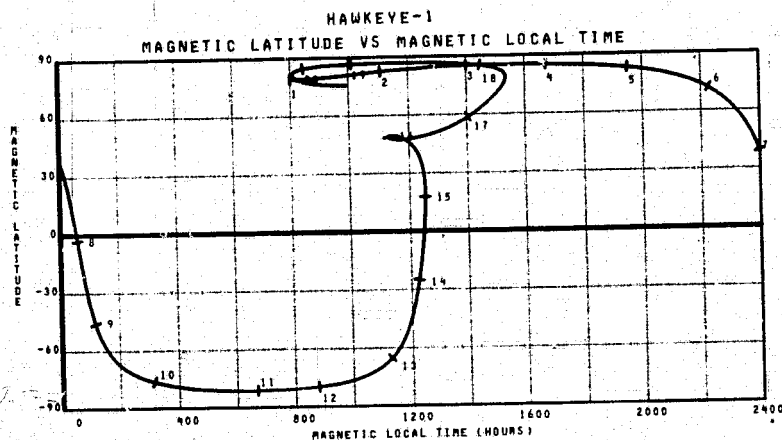
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LAT IS GSE LATITUDE IN DEGREES
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2-1976/ 1/ 11.25H	R= 16.1R _E	12-1976/ 2/ 7.17H	R= 10.6R _E
3-1976/ 1/ 13.17H	R= 15.0R _E	13-1976/ 2/ 8.17H	R= 10.9R _E
4-1976/ 1/ 14.00H	R= 13.0R _E	14-1976/ 2/ 9.17H	R= 10.2R _E
5-1976/ 1/ 14.85H	R= 6.7R _E	15-1976/ 2/ 10.17H	R= 10.2R _E
6-1976/ 1/ 14.95H	R= 2.3R _E	16-1976/ 2/ 10.17H	R= 20.2R _E
7-1976/ 1/ 15.92H	R= 10.0R _E	17-1976/ 2/ 10.17H	R= 20.1R _E
8-1976/ 1/ 17.00H	R= 15.6R _E	18-1976/ 2/ 10.17H	R= 19.6R _E
9-1976/ 1/ 18.33H	R= 16.6R _E	19-1976/ 2/ 10.17H	R= 18.4R _E
10-1976/ 2/ 23.67H	R= 17.5R _E	20-1976/ 3/ 1.67H	R= 18.4R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 1/ 0.00H TO 1976/ 3/ 2.00H

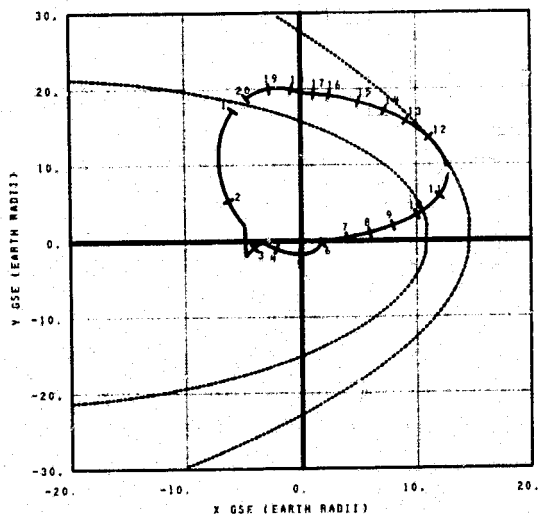


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1-1976/ 1/ 0.00H	R= 17.7R _E	11-1976/ 2/ 6.17H	R= 10.2R _E
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3-1976/ 1/ 13.17H	R= 15.0R _E	13-1976/ 2/ 8.17H	R= 10.9R _E
4-1976/ 1/ 14.00H	R= 13.0R _E	14-1976/ 2/ 9.17H	R= 10.2R _E
5-1976/ 1/ 14.85H	R= 6.7R _E	15-1976/ 2/ 10.17H	R= 10.2R _E
6-1976/ 1/ 14.95H	R= 2.3R _E	16-1976/ 2/ 10.17H	R= 20.2R _E
7-1976/ 1/ 15.92H	R= 10.0R _E	17-1976/ 2/ 10.17H	R= 20.1R _E
8-1976/ 1/ 17.00H	R= 15.6R _E	18-1976/ 2/ 10.17H	R= 19.6R _E
9-1976/ 1/ 18.33H	R= 16.6R _E	19-1976/ 2/ 10.17H	R= 18.4R _E
10-1976/ 2/ 23.67H	R= 17.5R _E	20-1976/ 3/ 1.67H	R= 18.4R _E

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 1/ 0.00H TO 1976/ 3/ 2.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

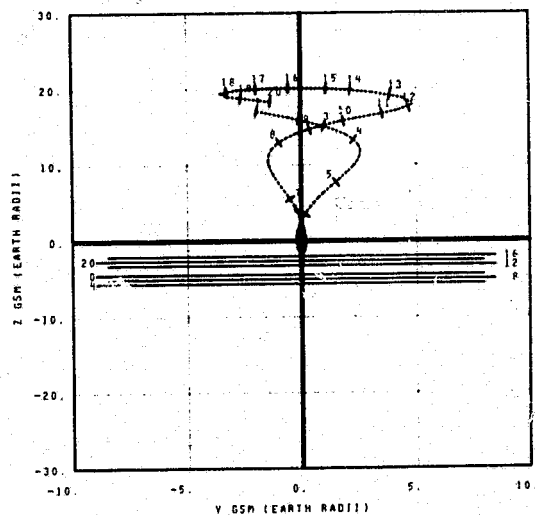


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3- 1976/ 3/ 16.33H LAT= 11.4	13- 1976/ 4/ 9.50H LAT= 80.2
4- 1976/ 3/ 17.17H LAT= -24.7	14- 1976/ 4/ 10.50H LAT= 80.0
5- 1976/ 3/ 17.68H LAT= -80.3	15- 1976/ 4/ 11.50H LAT= 81.3
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8- 1976/ 3/ 20.17H LAT= 41.0	18- 1976/ 4/ 13.50H LAT= 81.9
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TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 3/ 2.00H TO 1976/ 5/ 3.00H

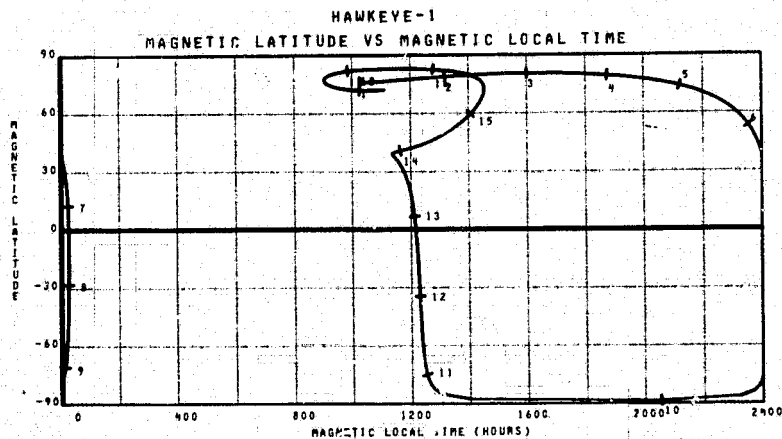
HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

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2- 1976/ 3/ 4.17H R= 17.2RE	12- 1976/ 4/ 9.50H R= 16.2RE
3- 1976/ 3/ 5.33H R= 16.5RE	13- 1976/ 4/ 13.50H R= 19.6RE
4- 1976/ 3/ 7.33H R= 15.1RE	14- 1976/ 4/ 15.50H R= 28.0RE
5- 1976/ 3/ 12.33H R= 10.4RE	15- 1976/ 4/ 16.50H R= 28.1RE
6- 1976/ 3/ 15.00H R= 6.7RE	16- 1976/ 4/ 18.00H R= 20.2RE
7- 1976/ 3/ 20.92H R= 7.3RE	17- 1976/ 4/ 19.50H R= 20.5RE
8- 1976/ 4/ 2.33H R= 13.7RE	18- 1976/ 4/ 21.50H R= 20.2RE
9- 1976/ 4/ 4.17H R= 15.1RE	19- 1976/ 5/ 1.50H R= 19.5RE
10- 1976/ 4/ 5.67H R= 14.2RE	20- 1976/ 5/ 3.00H R= 19.1RE

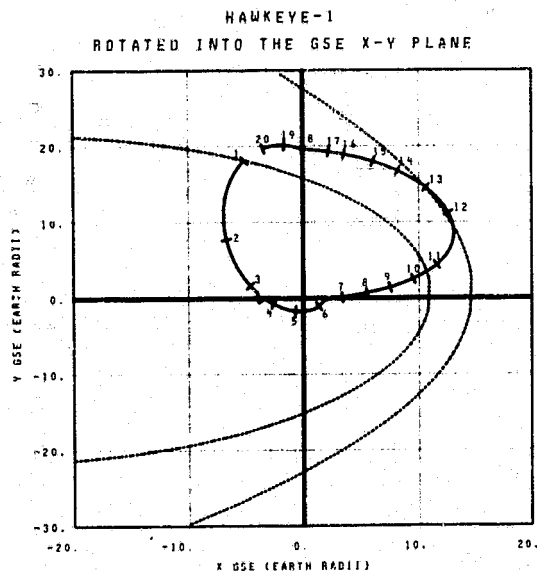
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 3/ 2.00H TO 1976/ 5/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

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2- 1976/ 3/ 4.17H R= 17.2RE	12- 1976/ 4/ 9.50H R= 16.2RE
3- 1976/ 3/ 5.33H R= 16.5RE	13- 1976/ 4/ 13.50H R= 19.6RE
4- 1976/ 3/ 7.33H R= 15.1RE	14- 1976/ 4/ 15.50H R= 28.0RE
5- 1976/ 3/ 12.33H R= 10.4RE	15- 1976/ 4/ 16.50H R= 28.1RE
6- 1976/ 3/ 15.00H R= 6.7RE	16- 1976/ 4/ 18.00H R= 20.2RE
7- 1976/ 3/ 20.92H R= 7.3RE	17- 1976/ 4/ 19.50H R= 20.5RE
8- 1976/ 4/ 2.33H R= 13.7RE	18- 1976/ 4/ 21.50H R= 20.2RE
9- 1976/ 4/ 4.17H R= 15.1RE	19- 1976/ 5/ 1.50H R= 19.5RE
10- 1976/ 4/ 5.67H R= 14.2RE	20- 1976/ 5/ 3.00H R= 19.1RE

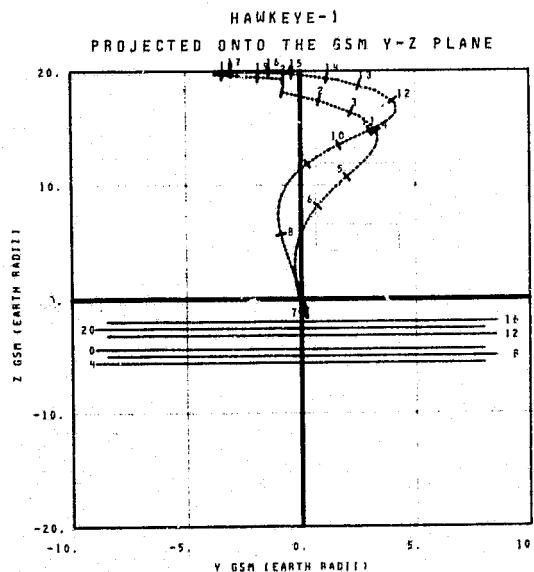
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 3/ 2.00H TO 1976/ 5/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 5/ 3.50H	LAT= 72.3	11- 1974/ 6/ 4.17H	LAT= 66.9
2- 1974/ 5/ 19.47H	LAT= 40.4	12- 1974/ 6/ 17.70H	LAT= 77.5
3- 1974/ 5/ 19.77H	LAT= 19.6	13- 1974/ 6/ 17.77H	LAT= 79.7
4- 1974/ 5/ 20.25H	LAT= -15.6	14- 1974/ 6/ 18.77H	LAT= 80.8
5- 1974/ 5/ 20.78H	LAT= -65.6	15- 1974/ 6/ 19.47H	LAT= 81.3
6- 1974/ 5/ 21.00H	LAT= -77.0	16- 1974/ 6/ 19.47H	LAT= 81.6
7- 1974/ 5/ 22.00H	LAT= 11.3	17- 1974/ 6/ 16.17H	LAT= 81.7
8- 1974/ 5/ 23.08H	LAT= 36.9	18- 1974/ 6/ 17.17H	LAT= 81.7
9- 1974/ 6/ 0.33H	LAT= 49.9	19- 1974/ 6/ 21.17H	LAT= 80.5
10- 1974/ 6/ 1.92H	LAT= 59.1	20- 1974/ 7/ 2.17H	LAT= 76.9

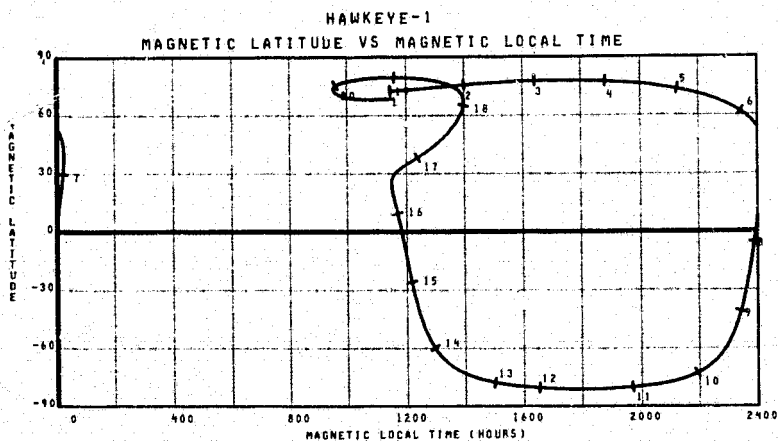
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/ 5/ 3.50H TO 1974/ 7/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 5/ 3.50H	R= 18.9RE	11- 1974/ 6/ 7.83H	R= 15.5RE
2- 1974/ 5/ 5.00H	R= 18.3RE	12- 1974/ 6/ 12.17H	R= 18.0RE
3- 1974/ 5/ 6.50H	R= 17.6RE	13- 1974/ 6/ 15.47H	R= 19.0RE
4- 1974/ 5/ 8.47H	R= 16.4RE	14- 1974/ 6/ 16.17H	R= 19.4RE
5- 1974/ 5/ 13.17H	R= 13.0RE	15- 1974/ 6/ 17.67H	R= 19.8RE
6- 1974/ 5/ 15.33H	R= 10.7RE	16- 1974/ 6/ 18.67H	R= 20.0RE
7- 1974/ 5/ 20.33H	R= 2.6RE	17- 1974/ 6/ 20.67H	R= 20.2RE
8- 1974/ 6/ 0.25H	R= 7.5RE	18- 1974/ 7/ 0.67H	R= 20.2RE
9- 1974/ 6/ 4.50H	R= 12.7RE	19- 1974/ 7/ 2.67H	R= 19.7RE
10- 1974/ 6/ 6.17H	R= 14.2RE	20- 1974/ 7/ 3.67H	R= 19.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/ 5/ 3.50H TO 1974/ 7/ 4.00H



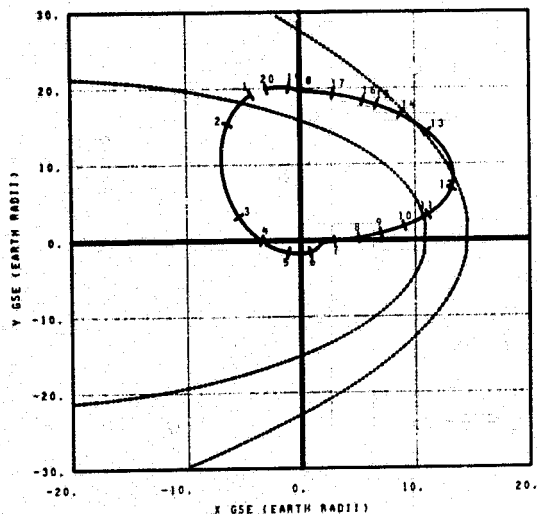
INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 5/ 3.50H	R= 18.9RE	11- 1974/ 6/ 7.83H	R= 15.5RE
2- 1974/ 5/ 5.00H	R= 18.3RE	12- 1974/ 6/ 12.17H	R= 18.0RE
3- 1974/ 5/ 6.50H	R= 17.6RE	13- 1974/ 6/ 15.47H	R= 19.0RE
4- 1974/ 5/ 8.47H	R= 16.4RE	14- 1974/ 6/ 16.17H	R= 19.4RE
5- 1974/ 5/ 13.17H	R= 13.0RE	15- 1974/ 6/ 17.67H	R= 19.8RE
6- 1974/ 5/ 15.33H	R= 10.7RE	16- 1974/ 6/ 18.67H	R= 20.0RE
7- 1974/ 5/ 20.33H	R= 2.6RE	17- 1974/ 6/ 20.67H	R= 20.2RE
8- 1974/ 6/ 0.25H	R= 7.5RE	18- 1974/ 7/ 0.67H	R= 20.2RE
9- 1974/ 6/ 4.50H	R= 12.7RE	19- 1974/ 7/ 2.67H	R= 19.7RE
10- 1974/ 6/ 6.17H	R= 14.2RE	20- 1974/ 7/ 3.67H	R= 19.7RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1974/ 5/ 3.50H TO 1974/ 7/ 4.00H

ORIGINAL PAGE IS
OF POOR QUALITY

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

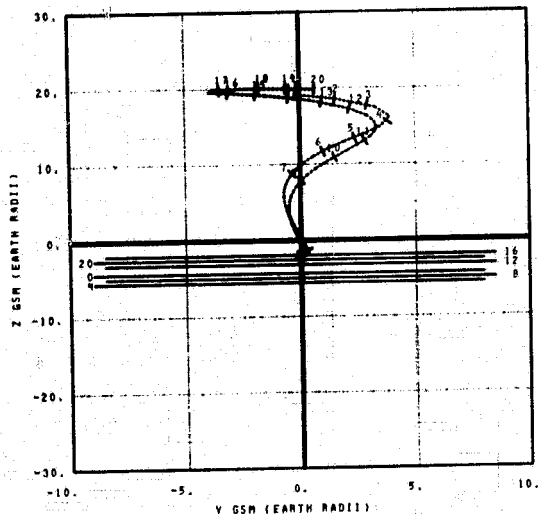


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 7/ 9.17H	LAT= 75.0	11-1976/ 8/ 6.67H	LAT= 64.7
2-1976/ 7/ 11.67H	LAT= 65.9	12-1976/ 8/ 10.17H	LAT= 73.0
3-1976/ 7/ 21.67H	LAT= 29.9	13-1976/ 8/ 15.50H	LAT= 79.0
4-1976/ 7/ 23.17H	LAT= -0.9	14-1976/ 8/ 17.00H	LAT= 80.0
5-1976/ 7/ 23.92H	LAT= -54.7	15-1976/ 8/ 18.00H	LAT= 81.3
6-1976/ 8/ 0.10H	LAT= -80.6	16-1976/ 8/ 18.50H	LAT= 81.5
7-1976/ 8/ 0.97H	LAT= -9.6	17-1976/ 8/ 19.50H	LAT= 81.7
8-1976/ 8/ 2.00H	LAT= 31.9	18-1976/ 8/ 20.30H	LAT= 81.2
9-1976/ 8/ 9.17H	LAT= 46.6	19-1976/ 8/ 23.00H	LAT= 78.1
10-1976/ 8/ 9.67H	LAT= 56.7	20-1976/ 9/ 4.00H	LAT= 78.1

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 7/ 4.00H TO 1976/ 9/ 5.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

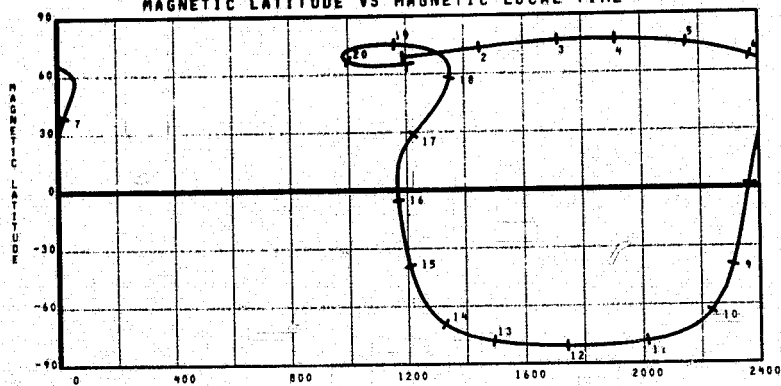


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 7/ 9.17H	R= 19.6RE	11-1976/ 8/ 9.17H	R= 14.0RE
2-1976/ 7/ 11.67H	R= 19.2RE	12-1976/ 8/ 14.50H	R= 17.5RE
3-1976/ 7/ 21.67H	R= 18.7RE	13-1976/ 8/ 16.00H	R= 18.2RE
4-1976/ 7/ 23.17H	R= 17.1RE	14-1976/ 8/ 17.50H	R= 18.0RE
5-1976/ 7/ 23.92H	R= 15.2RE	15-1976/ 8/ 19.00H	R= 19.3RE
6-1976/ 8/ 0.10H	R= 13.6RE	16-1976/ 8/ 20.50H	R= 19.7RE
7-1976/ 8/ 0.97H	R= 11.1RE	17-1976/ 9/ 1.00H	R= 20.3RE
8-1976/ 8/ 2.00H	R= 2.2RE	18-1976/ 9/ 3.00H	R= 20.2RE
9-1976/ 8/ 9.17H	R= 9.3RE	19-1976/ 9/ 4.00H	R= 20.2RE
10-1976/ 8/ 9.67H	R= 12.0RE	20-1976/ 9/ 5.00H	R= 20.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 7/ 4.00H TO 1976/ 9/ 5.00H

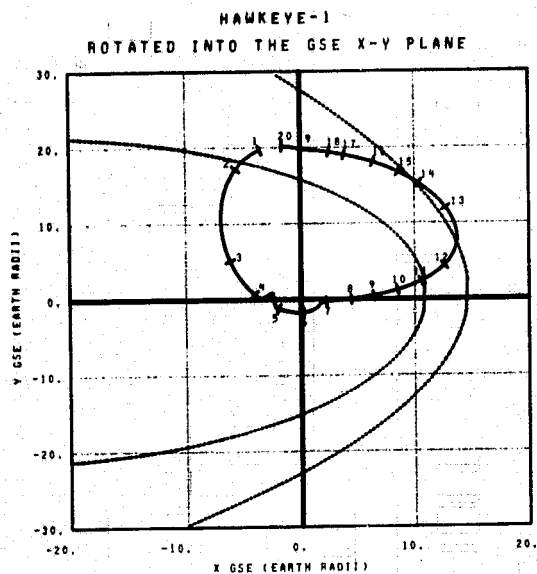
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 7/ 9.17H	R= 19.6RE	11-1976/ 8/ 9.17H	R= 14.0RE
2-1976/ 7/ 11.67H	R= 19.2RE	12-1976/ 8/ 14.50H	R= 17.5RE
3-1976/ 7/ 21.67H	R= 18.7RE	13-1976/ 8/ 16.00H	R= 18.2RE
4-1976/ 7/ 23.17H	R= 17.1RE	14-1976/ 8/ 17.50H	R= 18.0RE
5-1976/ 7/ 23.92H	R= 15.2RE	15-1976/ 8/ 19.00H	R= 19.3RE
6-1976/ 8/ 0.10H	R= 13.6RE	16-1976/ 8/ 20.50H	R= 19.7RE
7-1976/ 8/ 0.97H	R= 11.1RE	17-1976/ 9/ 1.00H	R= 20.3RE
8-1976/ 8/ 2.00H	R= 2.2RE	18-1976/ 9/ 3.00H	R= 20.2RE
9-1976/ 8/ 9.17H	R= 9.3RE	19-1976/ 9/ 4.00H	R= 20.2RE
10-1976/ 8/ 9.67H	R= 12.0RE	20-1976/ 9/ 5.00H	R= 20.1RE

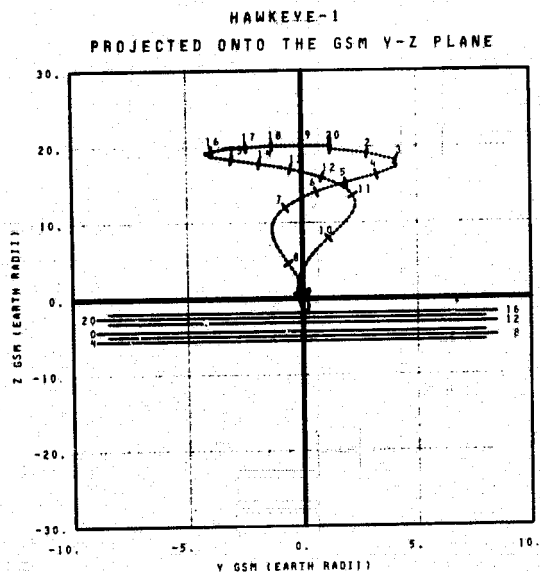
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 7/ 4.00H TO 1976/ 9/ 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 9/ 5.50H	LAT= 74.8	11- 1976/ 10/ 9.17H	LAT= 42.2
2- 1976/ 9/ 12.00H	LAT= 70.0	12- 1976/ 10/ 11.67H	LAT= 49.9
3- 1976/ 9/ 23.03H	LAT= 39.3	13- 1976/ 10/ 17.67H	LAT= 78.8
4- 1976/ 10/ 2.00H	LAT= 9.0	14- 1976/ 10/ 19.67H	LAT= 86.9
5- 1976/ 10/ 2.92H	LAT= -32.0	15- 1976/ 10/ 20.67H	LAT= 81.0
6- 1976/ 10/ 3.30H	LAT= -81.6	16- 1976/ 10/ 21.67H	LAT= 81.9
7- 1976/ 10/ 3.07H	LAT= -23.8	17- 1976/ 10/ 22.67H	LAT= 81.7
8- 1976/ 10/ 4.92H	LAT= 25.6	18- 1976/ 10/ 23.17H	LAT= 81.7
9- 1976/ 10/ 4.00H	LAT= 42.7	19- 1976/ 11/ 0.17H	LAT= 81.7
10- 1976/ 10/ 7.42H	LAT= 59.1	20- 1976/ 11/ 4.17H	LAT= 80.2

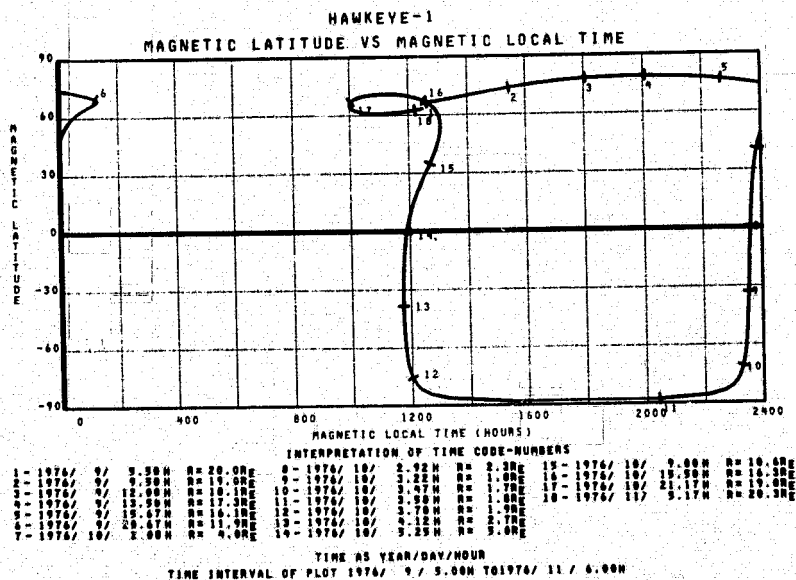
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 9/ 5.00H TO 1976/ 11/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

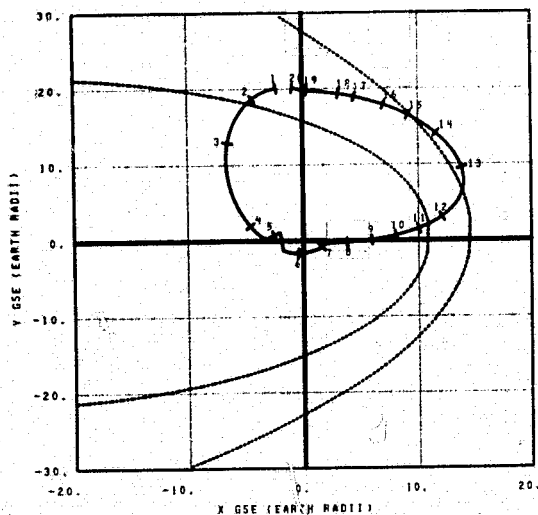
1- 1976/ 9/ 5.50H	R= 20.0RE	11- 1976/ 10/ 12.03H	R= 14.4RE
2- 1976/ 9/ 7.00H	R= 19.7RE	12- 1976/ 10/ 15.50H	R= 16.3RE
3- 1976/ 9/ 9.00H	R= 19.2RE	13- 1976/ 10/ 17.17H	R= 17.3RE
4- 1976/ 9/ 12.00H	R= 17.6RE	14- 1976/ 10/ 18.67H	R= 18.6RE
5- 1976/ 9/ 14.03H	R= 16.6RE	15- 1976/ 10/ 20.17H	R= 18.6RE
6- 1976/ 9/ 16.50H	R= 15.3RE	16- 1976/ 11/ 0.67H	R= 19.9RE
7- 1976/ 9/ 18.67H	R= 13.8RE	17- 1976/ 11/ 2.67H	R= 20.2RE
8- 1976/ 10/ 0.00H	R= 7.6RE	18- 1976/ 11/ 3.67H	R= 20.2RE
9- 1976/ 10/ 4.97H	R= 3.4RE	19- 1976/ 11/ 9.67H	R= 20.3RE
10- 1976/ 10/ 8.00H	R= 9.5RE	20- 1976/ 11/ 5.67H	R= 20.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOMETRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 9/ 5.00H TO 1976/ 11/ 6.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



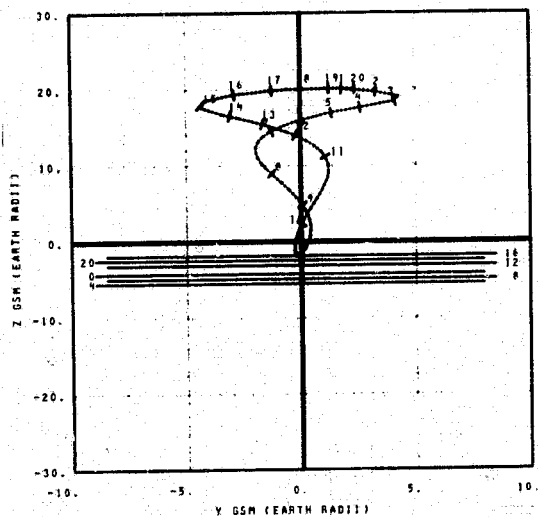
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 11/ 6.17H	LAT= 78.9	11- 1976/ 12/ 11.03H	LAT= 59.9
2- 1976/ 11/ 12.17H	LAT= 73.6	12- 1976/ 12/ 14.00H	LAT= 67.2
3- 1976/ 11/ 21.00H	LAT= 60.9	13- 1976/ 12/ 19.47H	LAT= 77.9
4- 1976/ 12/ 4.70H	LAT= 21.1	14- 1976/ 12/ 22.50H	LAT= 80.1
5- 1976/ 12/ 5.92H	LAT= -14.1	15- 1976/ 12/ 24.00H	LAT= 81.0
6- 1976/ 12/ 6.50H	LAT= -73.5	16- 1976/ 13/ 1.00H	LAT= 81.4
7- 1976/ 12/ 6.73H	LAT= -66.6	17- 1976/ 13/ 2.00H	LAT= 81.7
8- 1976/ 12/ 7.83H	LAT= 17.3	18- 1976/ 13/ 2.50H	LAT= 81.7
9- 1976/ 12/ 8.92H	LAT= 39.1	19- 1976/ 13/ 3.50H	LAT= 81.7
10- 1976/ 12/ 10.25H	LAT= 91.5	20- 1976/ 13/ 6.00H	LAT= 81.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 11/ 6.00H TO 1976/ 13/ 7.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



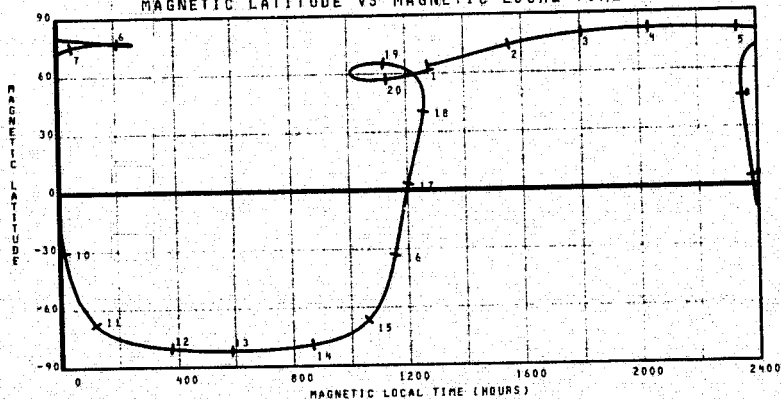
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 11/ 6.17H	R= 20.2RE	11- 1976/ 12/ 13.67H	R= 12.2RE
2- 1976/ 11/ 7.67H	R= 20.1RE	12- 1976/ 12/ 16.33H	R= 14.6RE
3- 1976/ 11/ 11.67H	R= 19.4RE	13- 1976/ 12/ 18.17H	R= 15.9RE
4- 1976/ 11/ 14.17H	R= 18.9RE	14- 1976/ 12/ 20.00H	R= 17.0RE
5- 1976/ 11/ 15.67H	R= 17.9RE	15- 1976/ 12/ 23.00H	R= 18.3RE
6- 1976/ 11/ 17.17H	R= 17.1RE	16- 1976/ 13/ 2.50H	R= 19.6RE
7- 1976/ 11/ 19.17H	R= 15.9RE	17- 1976/ 13/ 4.00H	R= 19.9RE
8- 1976/ 12/ 0.50H	R= 11.2RE	18- 1976/ 13/ 5.00H	R= 20.1RE
9- 1976/ 12/ 3.25H	R= 7.7RE	19- 1976/ 13/ 6.00H	R= 20.2RE
10- 1976/ 12/ 6.33H	R= 4.0RE	20- 1976/ 13/ 7.00H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 11/ 6.00H TO 1976/ 13/ 7.00H

HAWKEYE-1

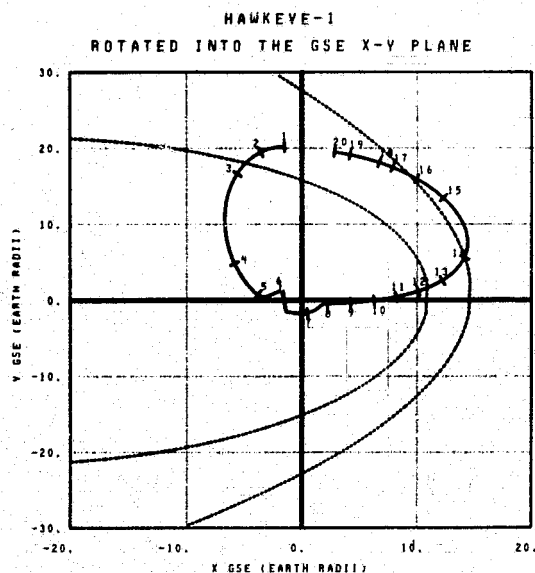
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 11/ 6.17H	R= 20.2RE	8- 1976/ 12/ 5.17H	R= 4.3RE	15- 1976/ 12/ 6.97H	R= 2.0RE
2- 1976/ 11/ 10.67H	R= 19.6RE	9- 1976/ 12/ 6.00H	R= 2.4RE	16- 1976/ 12/ 7.37H	R= 2.0RE
3- 1976/ 11/ 13.17H	R= 18.3RE	10- 1976/ 12/ 6.42H	R= 1.8RE	17- 1976/ 12/ 8.42H	R= 4.9RE
4- 1976/ 11/ 14.67H	R= 17.4RE	11- 1976/ 12/ 6.67H	R= 1.7RE	18- 1976/ 12/ 11.67H	R= 9.9RE
5- 1976/ 11/ 16.67H	R= 15.0RE	12- 1976/ 12/ 6.70H	R= 1.8RE	19- 1976/ 12/ 17.67H	R= 15.6RE
6- 1976/ 11/ 20.33H	R= 15.0RE	13- 1976/ 12/ 6.80H	R= 1.8RE	20- 1976/ 13/ 3.50H	R= 19.6RE
7- 1976/ 12/ 2.50H	R= 9.7RE	14- 1976/ 12/ 6.85H	R= 1.8RE		

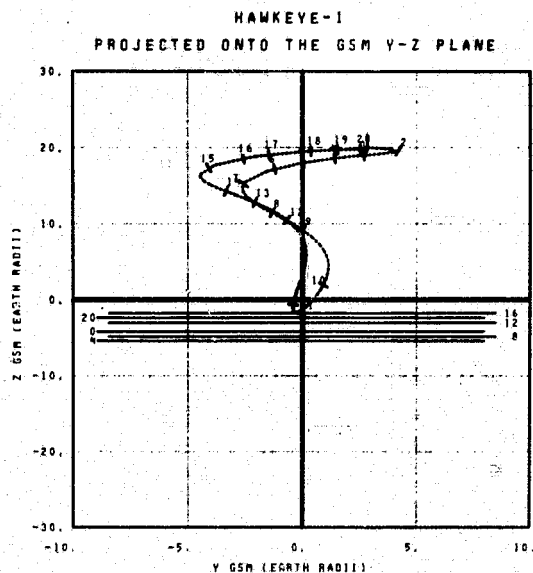
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 11/ 6.00H TO 1976/ 13/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 13/ 7.50H LAT= 80.2	11- 1976/ 14/ 13.50H LAT= 52.2
2- 1976/ 13/ 13.00H LAT= 76.0	12- 1976/ 14/ 15.00H LAT= 60.0
3- 1976/ 13/ 19.50H LAT= 68.7	13- 1976/ 14/ 17.17H LAT= 66.9
4- 1976/ 14/ 6.50H LAT= 37.7	14- 1976/ 14/ 20.33H LAT= 73.7
5- 1976/ 14/ 8.50H LAT= 7.1	15- 1976/ 15/ 1.67H LAT= 80.0
6- 1976/ 14/ 9.42H LAT= -37.0	16- 1976/ 15/ 3.17H LAT= 81.0
7- 1976/ 14/ 9.83H LAT= -81.1	17- 1976/ 15/ 4.17H LAT= 81.4
8- 1976/ 14/ 10.30H LAT= -24.3	18- 1976/ 15/ 4.67H LAT= 81.6
9- 1976/ 14/ 11.25H LAT= 22.9	19- 1976/ 15/ 5.67H LAT= 81.7
10- 1976/ 14/ 12.33H LAT= 41.4	20- 1976/ 15/ 6.17H LAT= 81.7

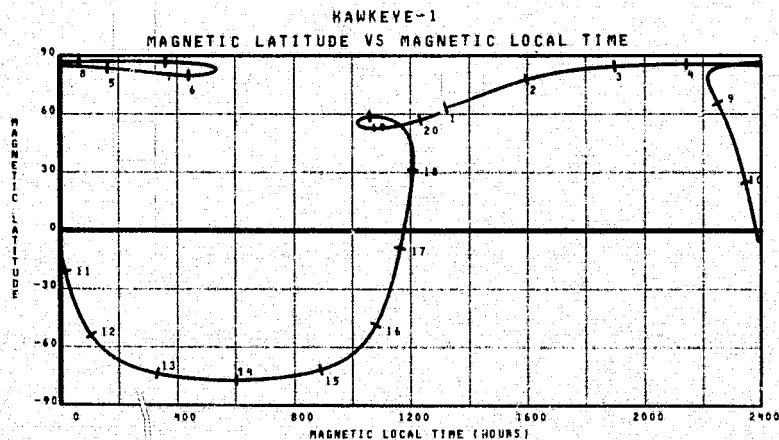
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 13/ 7.00H TO 1976/ 15/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 13/ 7.50H R= 20.3R	11- 1976/ 14/ 10.40H R= 2.40R
2- 1976/ 13/ 10.50H R= 20.2R	12- 1976/ 14/ 16.33H R= 11.6R
3- 1976/ 13/ 14.00H R= 19.6R	13- 1976/ 14/ 18.50H R= 13.7R
4- 1976/ 13/ 15.50H R= 19.2R	14- 1976/ 14/ 20.33H R= 15.2R
5- 1976/ 13/ 17.00H R= 18.7R	15- 1976/ 15/ 1.17H R= 10.0R
6- 1976/ 13/ 18.50H R= 18.0R	16- 1976/ 15/ 3.17H R= 10.8R
7- 1976/ 13/ 21.33H R= 16.5R	17- 1976/ 15/ 4.17H R= 10.2R
8- 1976/ 14/ 1.67H R= 13.3R	18- 1976/ 15/ 5.67H R= 19.6R
9- 1976/ 14/ 3.67H R= 11.3R	19- 1976/ 15/ 6.67H R= 19.0R
10- 1976/ 14/ 7.92H R= 5.2R	20- 1976/ 15/ 7.67H R= 20.0R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 13/ 7.00H TO 1976/ 15/ 6.00H

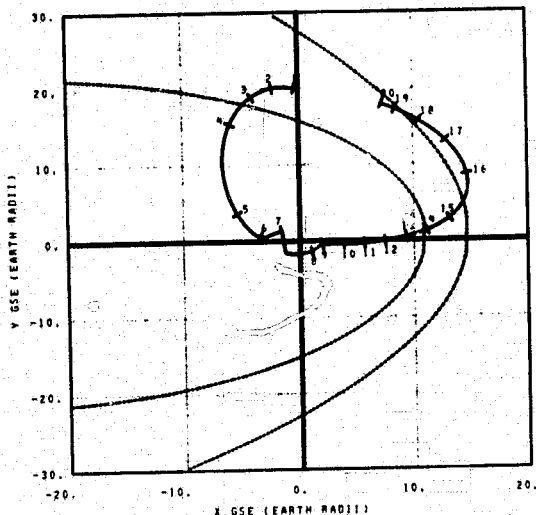


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 13/ 7.50H R= 20.3R	8- 1976/ 14/ 3.53H R= 11.5R	15- 1976/ 14/ 10.83H R= 1.0R
2- 1976/ 13/ 12.50H R= 19.7R	9- 1976/ 14/ 6.53H R= 7.1R	16- 1976/ 14/ 10.27H R= 2.1R
3- 1976/ 13/ 15.50H R= 19.3R	10- 1976/ 14/ 8.83H R= 3.4R	17- 1976/ 14/ 10.88H R= 3.4R
4- 1976/ 13/ 16.50H R= 18.3R	11- 1976/ 14/ 9.59H R= 2.0R	18- 1976/ 14/ 12.83H R= 15.0R
5- 1976/ 13/ 17.50H R= 18.3R	12- 1976/ 14/ 9.15H R= 1.7R	19- 1976/ 15/ 1.33H R= 15.0R
6- 1976/ 13/ 21.83H R= 16.2R	13- 1976/ 14/ 9.00H R= 1.7R	20- 1976/ 15/ 4.17H R= 19.7R
7- 1976/ 14/ 2.83H R= 12.2R	14- 1976/ 14/ 9.97H R= 1.7R	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 13/ 7.00H TO 1976/ 15/ 6.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

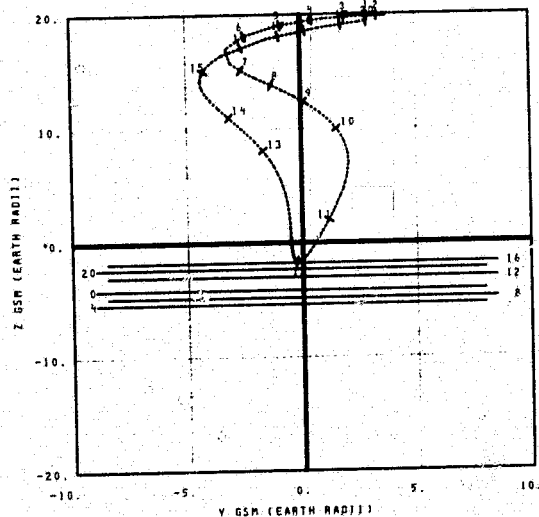


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 15/ 0.17M LAT= 81.4	11- 1976/ 16/ 15.25M LAT= 37.5
2- 1976/ 15/ 13.17M LAT= 78.6	12- 1976/ 16/ 16.33M LAT= 40.7
3- 1976/ 15/ 10.17M LAT= 74.2	13- 1976/ 16/ 17.67M LAT= 37.0
4- 1976/ 16/ 0.67M LAT= 66.0	14- 1976/ 16/ 19.17M LAT= 63.2
5- 1976/ 16/ 10.42M LAT= 31.5	15- 1976/ 16/ 21.33M LAT= 69.2
6- 1976/ 16/ 12.00M LAT= 0.7	16- 1976/ 17/ 2.33M LAT= 77.5
7- 1976/ 16/ 12.67M LAT= -40.9	17- 1976/ 17/ 5.00M LAT= 80.1
8- 1976/ 16/ 13.00M LAT= -70.1	18- 1976/ 17/ 6.50M LAT= 81.0
9- 1976/ 16/ 13.5M LAT= -32.0	19- 1976/ 17/ 7.50M LAT= 81.9
10- 1976/ 16/ 14.33M LAT= 19.1	20- 1976/ 17/ 8.00M LAT= 81.4

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 15/ 0.00N TO 1976/ 17/ 9.00N

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

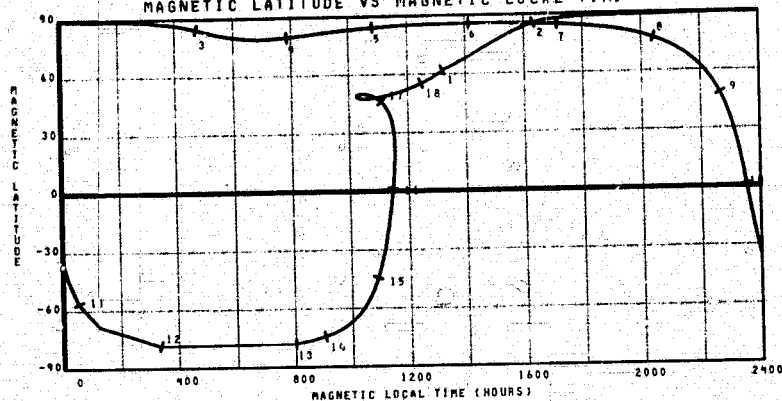


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 15/ 0.17M R= 20.0RE	11- 1976/ 17/ 11.00M R= 5.30RE
2- 1976/ 15/ 12.67M R= 20.2RE	12- 1976/ 16/ 13.00M R= 1.7RE
3- 1976/ 15/ 14.67M R= 20.1RE	13- 1976/ 16/ 17.95M R= 9.7RE
4- 1976/ 15/ 16.17M R= 19.0RE	14- 1976/ 16/ 20.33M R= 12.4RE
5- 1976/ 15/ 17.67M R= 19.5RE	15- 1976/ 17/ 0.83M R= 14.1RE
6- 1976/ 15/ 19.67M R= 18.9RE	16- 1976/ 17/ 3.50M R= 17.4RE
7- 1976/ 16/ 0.67M R= 16.5RE	17- 1976/ 17/ 5.00M R= 18.3RE
8- 1976/ 16/ 2.50M R= 15.2RE	18- 1976/ 17/ 6.00M R= 18.7RE
9- 1976/ 16/ 4.17M R= 13.9RE	19- 1976/ 17/ 7.50M R= 19.2RE
10- 1976/ 16/ 6.17M R= 12.1RE	20- 1976/ 17/ 9.00M R= 19.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 15/ 0.00N TO 1976/ 17/ 9.00N

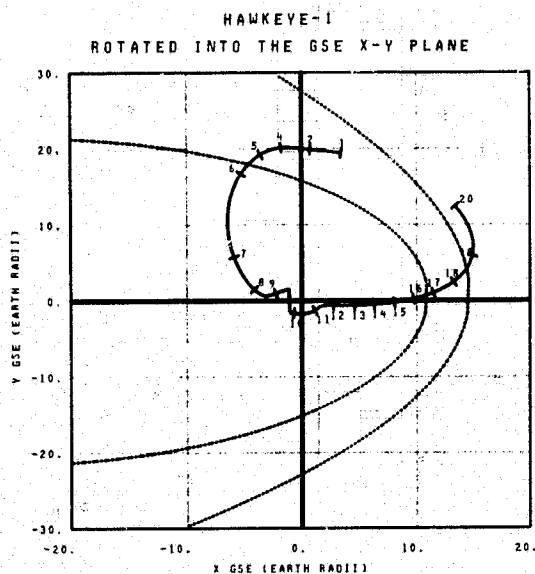
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 15/ 0.17M R= 20.0RE	8- 1976/ 16/ 7.33M R= 10.0RE	15- 1976/ 16/ 13.45M R= 2.10RE
2- 1976/ 15/ 13.17M R= 20.0RE	9- 1976/ 16/ 19.67M R= 9.1RE	16- 1976/ 16/ 15.17M R= 2.50RE
3- 1976/ 15/ 10.17M R= 19.0RE	10- 1976/ 16/ 12.33M R= 2.8RE	17- 1976/ 16/ 17.67M R= 9.4RE
4- 1976/ 16/ 0.67M R= 16.5RE	11- 1976/ 16/ 12.92M R= 1.0RE	18- 1976/ 17/ 7.00M R= 19.0RE
5- 1976/ 16/ 10.42M R= 19.0RE	12- 1976/ 16/ 13.00M R= 1.7RE	
6- 1976/ 16/ 12.00M R= 15.2RE	13- 1976/ 16/ 13.17M R= 1.7RE	
7- 1976/ 16/ 12.67M R= 13.9RE	14- 1976/ 16/ 13.20M R= 1.7RE	

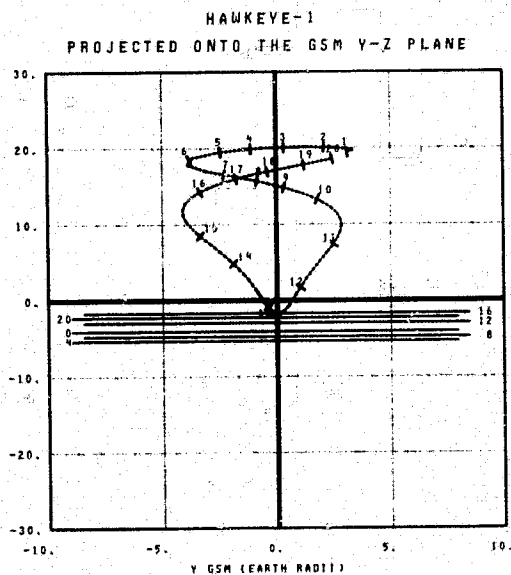
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 15/ 0.00N TO 1976/ 17/ 9.00N



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 17/ 9.50N	LAT= 81.7	11- 1976/ 18/ 16.32N	LAT= -76.3
2- 1976/ 17/ 10.50N	LAT= 81.6	12- 1976/ 18/ 17.05N	LAT= -1.3
3- 1976/ 17/ 11.00N	LAT= 81.5	13- 1976/ 18/ 17.92N	LAT= 28.1
4- 1976/ 17/ 15.50N	LAT= 79.3	14- 1976/ 18/ 18.83N	LAT= 42.0
5- 1976/ 17/ 20.50N	LAT= 75.1	15- 1976/ 18/ 19.92N	LAT= 51.4
6- 1976/ 18/ 2.00N	LAT= 68.0	16- 1976/ 18/ 21.17N	LAT= 58.3
7- 1976/ 18/ 17.50N	LAT= 41.0	17- 1976/ 18/ 22.67N	LAT= 64.0
8- 1976/ 18/ 14.75N	LAT= 14.5	18- 1976/ 19/ 0.67N	LAT= 69.4
9- 1976/ 18/ 15.67N	LAT= -22.3	19- 1976/ 19/ 4.00N	LAT= 75.5
10- 1976/ 18/ 16.10N	LAT= -44.9	20- 1976/ 19/ 8.17N	LAT= 80.0

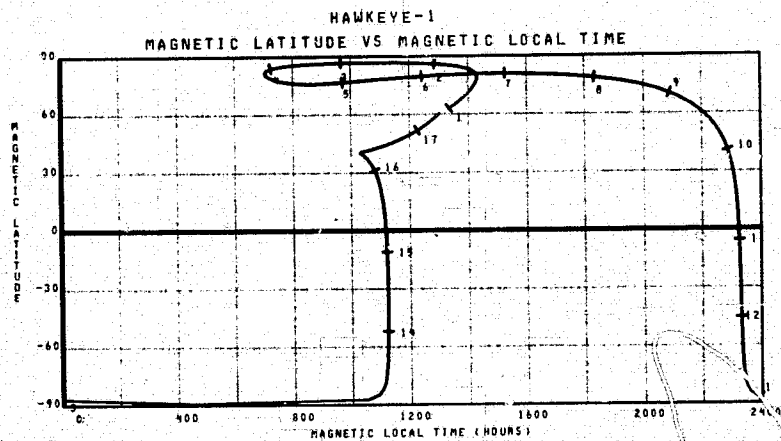
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 17/ 9.00N TO 1976/ 19/10.00N



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 17/ 9.50N	R= 19.7RE	11- 1976/ 18/ 11.17N	R= 10.0RE
2- 1976/ 17/ 10.00N	R= 20.3RE	12- 1976/ 18/ 14.50N	R= 7.9RE
3- 1976/ 17/ 14.00N	R= 20.2RE	13- 1976/ 18/ 16.00N	R= 2.3RE
4- 1976/ 17/ 17.50N	R= 20.1RE	14- 1976/ 18/ 19.33N	R= 7.1RE
5- 1976/ 17/ 19.00N	R= 19.9RE	15- 1976/ 18/ 21.75N	R= 10.5RE
6- 1976/ 17/ 21.50N	R= 19.3RE	16- 1976/ 19/ 2.83N	R= 15.2RE
7- 1976/ 18/ 2.00N	R= 17.5RE	17- 1976/ 19/ 4.67N	R= 14.5RE
8- 1976/ 18/ 3.50N	R= 14.7RE	18- 1976/ 19/ 6.00N	R= 17.2RE
9- 1976/ 18/ 4.67N	R= 14.0RE	19- 1976/ 19/ 7.67N	R= 18.1RE
10- 1976/ 18/ 6.33N	R= 14.8RE	20- 1976/ 19/ 9.67N	R= 18.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 17/ 9.00N TO 1976/ 19/10.00N



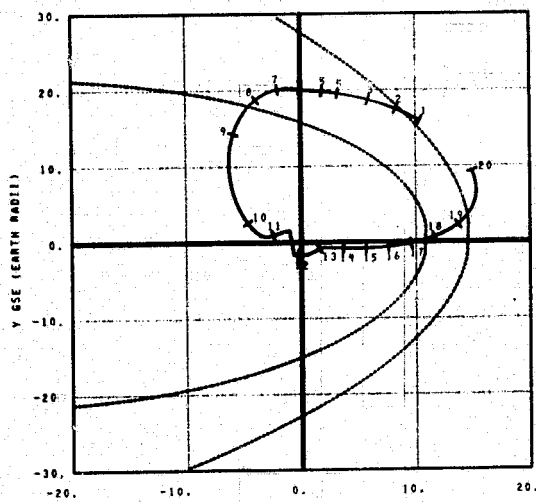
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 17/ 9.50N	R= 19.7RE	8- 1976/ 18/ 8.00N	R= 13.4RE	15- 1976/ 18/ 17.01N	R= 2.9RE
2- 1976/ 17/ 10.00N	R= 20.3RE	9- 1976/ 18/ 10.17N	R= 11.2RE	16- 1976/ 19/ 19.11N	R= 6.9RE
3- 1976/ 17/ 14.00N	R= 20.2RE	10- 1976/ 18/ 13.92N	R= 6.0RE	17- 1976/ 19/ 7.17N	R= 17.0RE
4- 1976/ 17/ 17.50N	R= 20.1RE	11- 1976/ 18/ 15.50N	R= 2.7RE		
5- 1976/ 18/ 2.00N	R= 17.5RE	12- 1976/ 18/ 16.02N	R= 1.7RE		
6- 1976/ 18/ 3.50N	R= 14.7RE	13- 1976/ 18/ 16.32N	R= 1.7RE		
7- 1976/ 18/ 4.67N	R= 14.0RE	14- 1976/ 18/ 16.50N	R= 1.0RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 17/ 9.00N TO 1976/ 19/10.00N

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



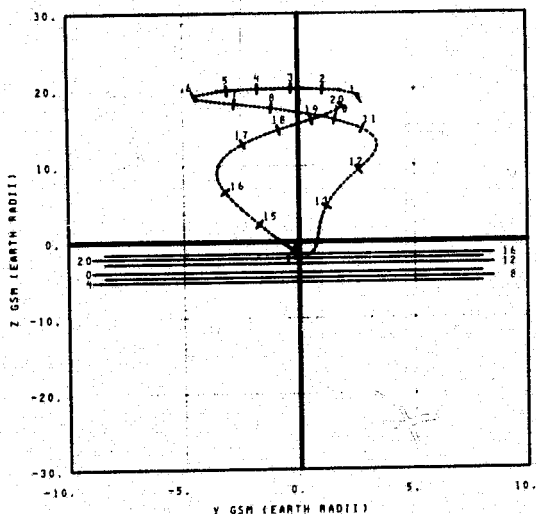
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 19/ 10.17H	LAT= 81.2	11- 1976/ 20/ 18.03H	LAT= -10.5
2- 1976/ 19/ 11.17H	LAT= -81.5	12- 1976/ 20/ 19.42H	LAT= -70.9
3- 1976/ 19/ 12.17H	LAT= 81.7	13- 1976/ 20/ 19.67H	LAT= -88.2
4- 1976/ 19/ 13.17H	LAT= 81.7	14- 1976/ 20/ 20.67H	LAT= 19.8
5- 1976/ 19/ 13.67H	LAT= 81.7	15- 1976/ 20/ 21.67H	LAT= 37.2
6- 1976/ 19/ 14.67H	LAT= 81.4	16- 1976/ 20/ 22.03H	LAT= 49.2
7- 1976/ 19/ 14.67H	LAT= 70.7	17- 1976/ 21/ 0.25H	LAT= 57.7
8- 1976/ 20/ 1.17H	LAT= 73.7	18- 1976/ 21/ 2.00H	LAT= 69.4
9- 1976/ 20/ 0.67H	LAT= 63.5	19- 1976/ 21/ 4.33H	LAT= 70.4
10- 1976/ 20/ 17.50H	LAT= 23.5	20- 1976/ 21/ 10.00H	LAT= 70.8

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 19/10.00H TO 1976/ 21/11.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



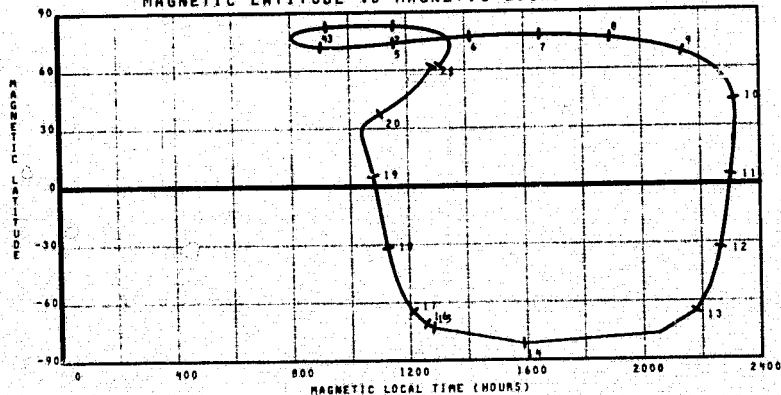
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 19/ 10.17H	R= 19.0Rg	11- 1976/ 20/ 7.67H	R= 14.1Rg
2- 1976/ 19/ 11.17H	R= 20.1Rg	12- 1976/ 20/ 13.00H	R= 11.5Rg
3- 1976/ 19/ 12.17H	R= 20.2Rg	13- 1976/ 20/ 16.33H	R= 7.3Rg
4- 1976/ 19/ 13.17H	R= 20.3Rg	14- 1976/ 20/ 19.97H	R= 2.2Rg
5- 1976/ 19/ 13.67H	R= 20.2Rg	15- 1976/ 20/ 21.42H	R= 5.2Rg
6- 1976/ 19/ 14.67H	R= 19.9Rg	16- 1976/ 20/ 23.75H	R= 8.9Rg
7- 1976/ 20/ 2.17H	R= 18.0Rg	17- 1976/ 21/ 4.33H	R= 13.9Rg
8- 1976/ 20/ 3.67H	R= 18.3Rg	18- 1976/ 21/ 6.17H	R= 16.4Rg
9- 1976/ 20/ 4.67H	R= 17.0Rg	19- 1976/ 21/ 7.03H	R= 16.4Rg
10- 1976/ 20/ 6.17H	R= 17.0Rg	20- 1976/ 21/ 11.00H	R= 10.1Rg

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 19/10.00H TO 1976/ 21/11.00H

HAWKEYE-1

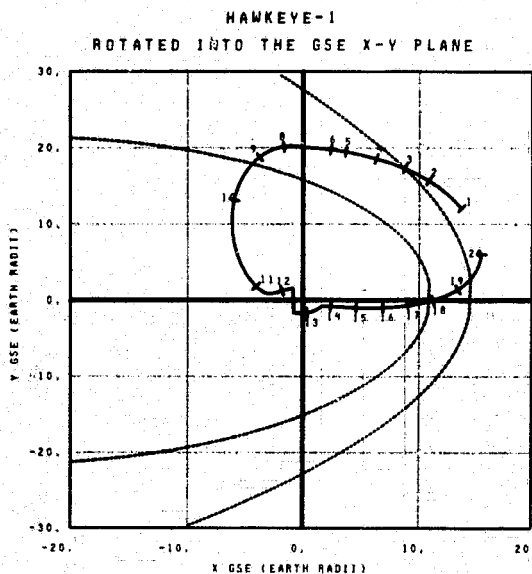
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 19/ 10.17H	R= 19.0Rg	8- 1976/ 20/ 10.00H	R= 19.4Rg	15- 1976/ 20/ 19.67H	R= 1.6Rg
2- 1976/ 19/ 11.17H	R= 20.2Rg	9- 1976/ 20/ 12.00H	R= 12.8Rg	16- 1976/ 20/ 19.00H	R= 1.0Rg
3- 1976/ 19/ 12.17H	R= 20.3Rg	10- 1976/ 20/ 16.03H	R= 6.5Rg	17- 1976/ 20/ 19.00H	R= 1.0Rg
4- 1976/ 20/ 0.17H	R= 19.3Rg	11- 1976/ 20/ 16.17H	R= 3.0Rg	18- 1976/ 20/ 20.07H	R= 2.4Rg
5- 1976/ 20/ 4.17H	R= 18.0Rg	12- 1976/ 20/ 19.17H	R= 2.0Rg	19- 1976/ 20/ 21.00H	R= 13.4Rg
6- 1976/ 20/ 6.07H	R= 16.7Rg	13- 1976/ 20/ 19.42H	R= 1.7Rg	20- 1976/ 21/ 4.33H	R= 13.4Rg
7- 1976/ 20/ 8.33H	R= 15.7Rg	14- 1976/ 20/ 19.00H	R= 1.7Rg	21- 1976/ 21/ 11.00H	R= 10.1Rg

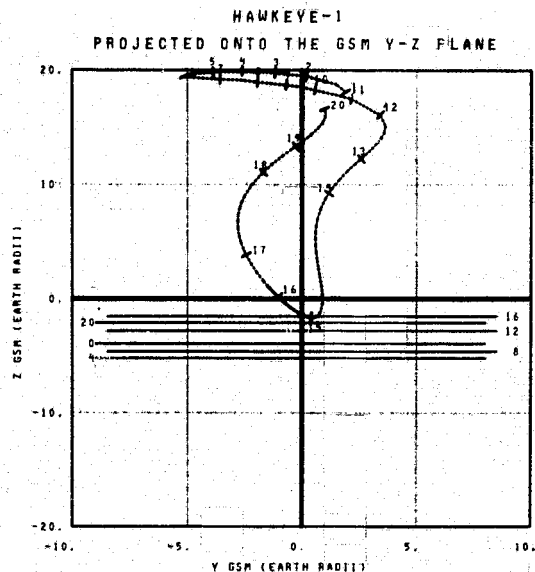
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 19/10.00H TO 1976/ 21/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 21/ 11.50H	LAT= 80.0	11- 1976/ 22/ 21.17H	LAT= 15.3
2- 1976/ 21/ 13.50H	LAT= 81.2	12- 1976/ 22/ 22.25H	LAT= -35.3
3- 1976/ 21/ 14.50H	LAT= 81.5	13- 1976/ 22/ 22.72H	LAT= -80.7
4- 1976/ 21/ 15.50H	LAT= 81.7	14- 1976/ 22/ 23.35H	LAT= -10.2
5- 1976/ 21/ 16.50H	LAT= 81.7	15- 1976/ 23/ 0.42H	LAT= 29.3
6- 1976/ 21/ 17.00H	LAT= 81.6	16- 1976/ 23/ 1.67H	LAT= 45.9
7- 1976/ 21/ 18.00H	LAT= 81.4	17- 1976/ 23/ 3.00H	LAT= 55.7
8- 1976/ 21/ 22.50H	LAT= 79.0	18- 1976/ 23/ 4.03H	LAT= 63.1
9- 1976/ 22/ 4.50H	LAT= 73.6	19- 1976/ 23/ 7.17H	LAT= 69.5
10- 1976/ 22/ 13.17H	LAT= 61.2	20- 1976/ 23/ 11.50H	LAT= 76.8

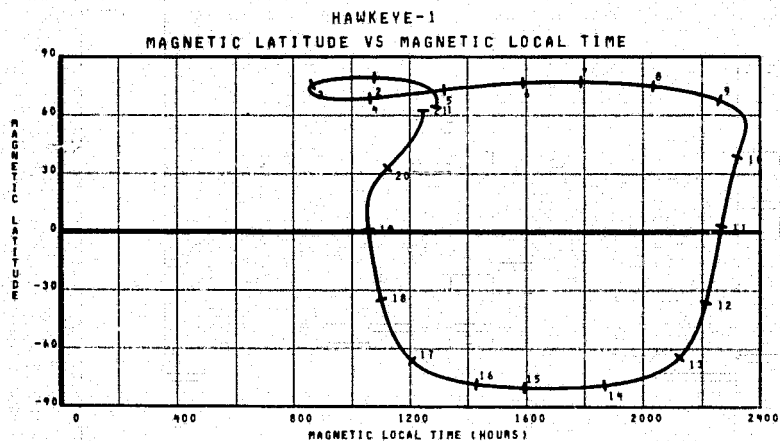
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 21/11.00H TO 1976/ 23/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 21/ 11.50H	R= 18.38R	11- 1976/ 22/ 7.00H	R= 18.28R
2- 1976/ 21/ 15.00H	R= 19.50R	12- 1976/ 22/ 9.00H	R= 17.28R
3- 1976/ 21/ 16.50H	R= 19.00R	13- 1976/ 22/ 13.03H	R= 13.98R
4- 1976/ 21/ 18.00H	R= 20.10R	14- 1976/ 22/ 16.67H	R= 11.28R
5- 1976/ 21/ 19.50H	R= 20.28R	15- 1976/ 22/ 22.77H	R= 1.78R
6- 1976/ 21/ 23.00H	R= 20.38R	16- 1976/ 22/ 23.73H	R= 3.38R
7- 1976/ 22/ 2.00H	R= 19.08R	17- 1976/ 23/ 1.42H	R= 6.68R
8- 1976/ 22/ 3.50H	R= 19.48R	18- 1976/ 23/ 5.03H	R= 12.38R
9- 1976/ 22/ 4.50H	R= 19.18R	19- 1976/ 23/ 7.03H	R= 14.18R
10- 1976/ 22/ 5.50H	R= 18.08R	20- 1976/ 23/ 12.00H	R= 17.08R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 21/11.00H TO 1976/ 23/12.00H

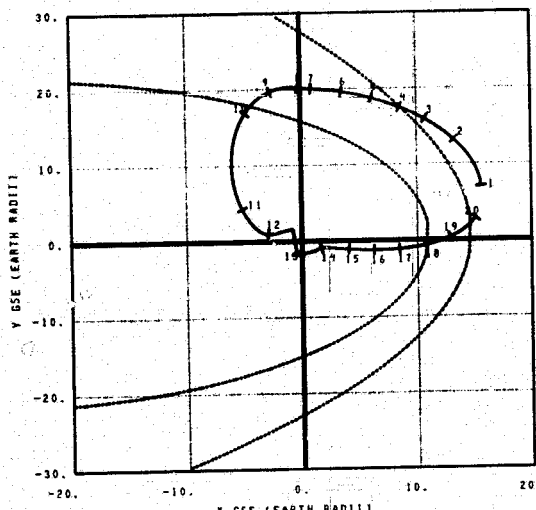


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 21/ 11.50H	R= 19.38R	11- 1976/ 22/ 22.07H	R= 1.78R
2- 1976/ 21/ 15.00H	R= 19.50R	12- 1976/ 22/ 22.07H	R= 1.78R
3- 1976/ 21/ 16.50H	R= 19.00R	13- 1976/ 22/ 23.00H	R= 1.98R
4- 1976/ 21/ 18.00H	R= 20.10R	14- 1976/ 22/ 23.00H	R= 1.98R
5- 1976/ 21/ 19.50H	R= 20.28R	15- 1976/ 22/ 23.00H	R= 1.98R
6- 1976/ 21/ 23.00H	R= 20.38R	16- 1976/ 22/ 23.00H	R= 1.98R
7- 1976/ 22/ 2.00H	R= 19.08R	17- 1976/ 22/ 23.00H	R= 1.98R
8- 1976/ 22/ 3.50H	R= 19.48R	18- 1976/ 22/ 23.00H	R= 1.98R
9- 1976/ 22/ 4.50H	R= 19.18R	19- 1976/ 22/ 23.00H	R= 1.98R
10- 1976/ 22/ 5.50H	R= 18.08R	20- 1976/ 22/ 23.00H	R= 1.98R
11- 1976/ 22/ 7.00H	R= 18.28R	21- 1976/ 23/ 12.00H	R= 17.08R

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 21/11.00H TO 1976/ 23/12.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

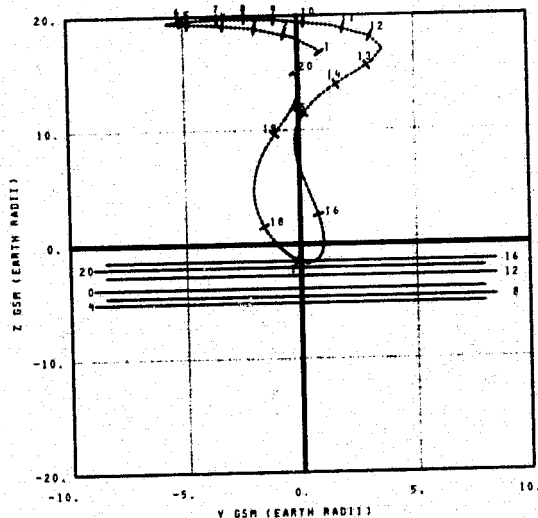


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 23/ 12.17H LAT= 77.6	11 - 1976/ 24/ 23.17H LAT= 33.2
2 - 1976/ 23/ 15.67H LAT= 80.7	12 - 1976/ 25/ 1.00H LAT= -7.5
3 - 1976/ 23/ 17.17H LAT= 81.4	13 - 1976/ 25/ 1.03H LAT= -75.3
4 - 1976/ 23/ 18.17H LAT= 81.4	14 - 1976/ 25/ 2.18H LAT= -40.3
5 - 1976/ 23/ 19.17H LAT= 81.7	15 - 1976/ 25/ 3.33H LAT= 22.3
6 - 1976/ 23/ 20.17H LAT= 81.7	16 - 1976/ 25/ 4.90H LAT= 41.9
7 - 1976/ 23/ 21.17H LAT= 81.4	17 - 1976/ 25/ 5.92H LAT= 33.4
8 - 1976/ 23/ 22.17H LAT= 81.1	18 - 1976/ 25/ 7.67H LAT= 61.6
9 - 1976/ 24/ 4.67H LAT= 76.7	19 - 1976/ 25/ 9.67H LAT= 67.7
10 - 1976/ 24/ 11.67H LAT= 69.0	20 - 1976/ 25/ 12.67H LAT= 73.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 23/12.00H TO 1976/ 25/13.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

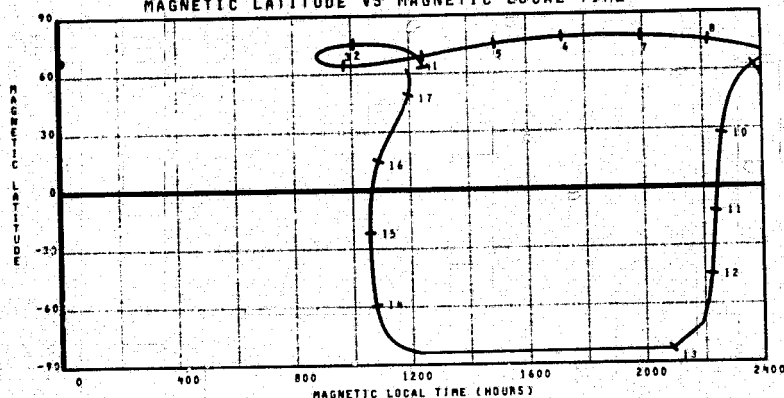


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 23/ 12.17H R= 17.1R _E	11 - 1976/ 24/ 7.17H R= 19.3R _E
2 - 1976/ 23/ 15.17H R= 18.5R _E	12 - 1976/ 24/ 8.67H R= 18.0R _E
3 - 1976/ 23/ 16.67H R= 19.0R _E	13 - 1976/ 24/ 13.17H R= 16.7R _E
4 - 1976/ 23/ 18.17H R= 19.0R _E	14 - 1976/ 24/ 15.90H R= 15.0R _E
5 - 1976/ 23/ 20.17H R= 19.9R _E	15 - 1976/ 24/ 18.17H R= 12.0R _E
6 - 1976/ 24/ 0.67H R= 20.3R _E	16 - 1976/ 24/ 25.00H R= 5.0R _E
7 - 1976/ 24/ 2.67H R= 20.3R _E	17 - 1976/ 25/ 2.27H R= 2.0R _E
8 - 1976/ 24/ 3.67H R= 20.0R _E	18 - 1976/ 25/ 3.50H R= 4.5R _E
9 - 1976/ 24/ 4.67H R= 19.0R _E	19 - 1976/ 25/ 7.03H R= 11.0R _E
10 - 1976/ 24/ 5.67H R= 19.7R _E	20 - 1976/ 25/ 13.00H R= 15.0R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/ 23/12.00H TO 1976/ 25/13.00H

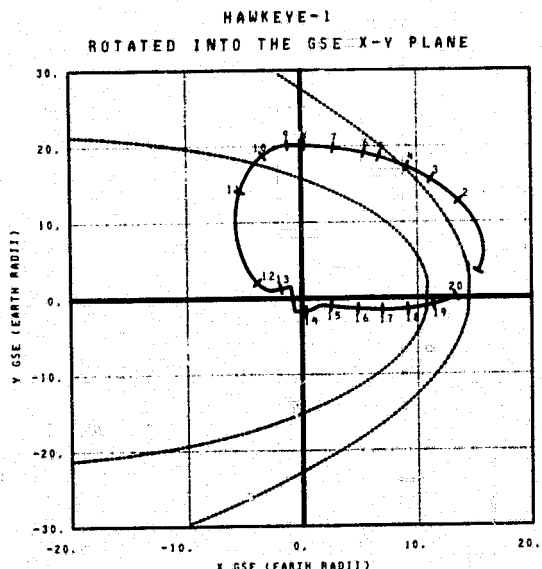
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 23/ 12.17H R= 17.1R _E	11 - 1976/ 24/ 15.33H R= 19.3R _E	19 - 1976/ 25/ 3.00H R= 3.0R _E
2 - 1976/ 23/ 15.17H R= 18.5R _E	12 - 1976/ 24/ 22.30H R= 7.0R _E	20 - 1976/ 25/ 10.33H R= 15.0R _E
3 - 1976/ 23/ 17.17H R= 19.0R _E	13 - 1976/ 25/ 1.00H R= 2.0R _E	
4 - 1976/ 23/ 18.17H R= 19.0R _E	14 - 1976/ 25/ 1.03H R= 1.7R _E	
5 - 1976/ 23/ 19.17H R= 19.9R _E	15 - 1976/ 25/ 2.18H R= 2.0R _E	
6 - 1976/ 23/ 20.17H R= 19.9R _E	16 - 1976/ 25/ 3.33H R= 2.0R _E	
7 - 1976/ 23/ 21.17H R= 19.9R _E	17 - 1976/ 25/ 4.90H R= 2.0R _E	
8 - 1976/ 23/ 22.17H R= 19.9R _E	18 - 1976/ 25/ 5.92H R= 2.0R _E	

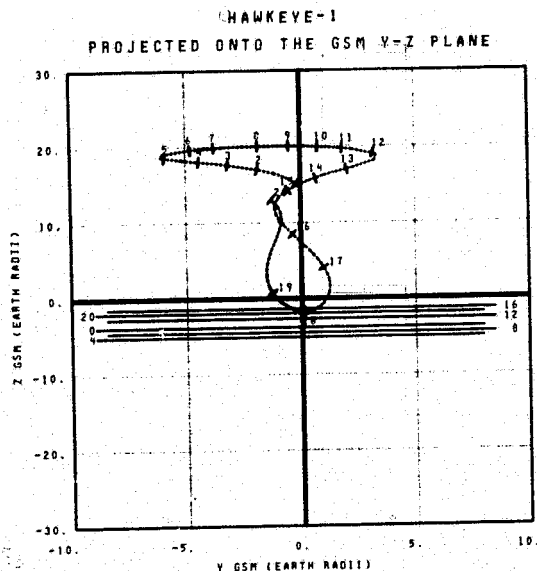
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 23/12.00H TO 1976/ 25/13.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 25/ 13.17N LAT= 74.6	17- 1976/ 26/ 10.03N LAT= 62.0
2- 1976/ 25/ 19.00N LAT= 80.7	18- 1976/ 27/ 3.50N LAT= 15.0
3- 1976/ 25/ 20.50N LAT= 81.8	19- 1976/ 27/ 4.67N LAT= -31.1
4- 1976/ 25/ 21.50N LAT= 81.7	20- 1976/ 27/ 5.17N LAT= -80.2
5- 1976/ 25/ 22.50N LAT= 81.7	15- 1976/ 27/ 5.00N LAT= -4.7
6- 1976/ 25/ 23.00N LAT= 81.7	16- 1976/ 27/ 7.00N LAT= 31.7
7- 1976/ 25/ 24.00N LAT= 81.6	17- 1976/ 27/ 8.17N LAT= 66.2
8- 1976/ 26/ 1.00N LAT= 81.3	18- 1976/ 27/ 9.67N LAT= 96.3
9- 1976/ 26/ 4.50N LAT= 79.9	19- 1976/ 27/ 11.50N LAT= 63.4
10- 1976/ 26/ 11.00N LAT= 73.7	20- 1976/ 27/ 13.50N LAT= 69.1

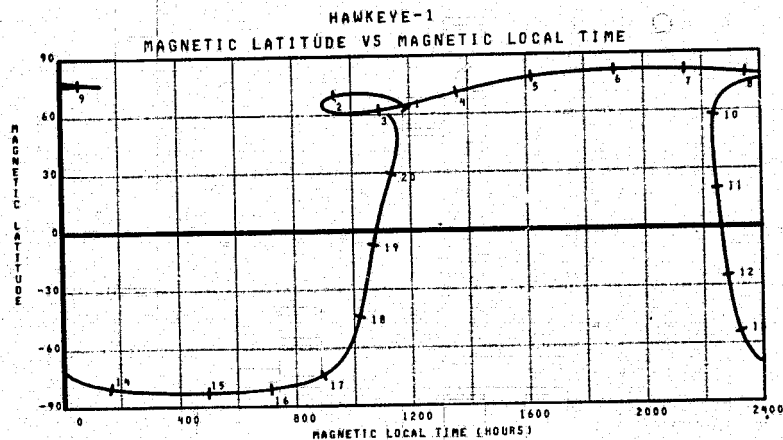
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 25/13.00N TO 1976/ 27/14.00N



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 25/ 13.17N R= 15.7RE	11- 1976/ 26/ 7.50N R= 20.0RE
2- 1976/ 25/ 19.00N R= 17.4RE	12- 1976/ 26/ 9.50N R= 19.5RE
3- 1976/ 25/ 20.50N R= 18.1RE	13- 1976/ 26/ 14.50N R= 17.7RE
4- 1976/ 25/ 21.50N R= 18.7RE	14- 1976/ 26/ 16.50N R= 16.6RE
5- 1976/ 25/ 22.50N R= 19.5RE	15- 1976/ 26/ 18.50N R= 15.3RE
6- 1976/ 26/ 2.00N R= 20.2RE	16- 1976/ 26/ 23.03N R= 10.3RE
7- 1976/ 26/ 3.00N R= 20.3RE	17- 1976/ 27/ 2.50N R= 4.5RE
8- 1976/ 26/ 4.50N R= 20.3RE	18- 1976/ 27/ 5.17N R= 1.7RE
9- 1976/ 26/ 5.50N R= 20.2RE	19- 1976/ 27/ 6.33N R= 3.7RE
10- 1976/ 26/ 6.50N R= 20.1RE	20- 1976/ 27/ 14.00N R= 13.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 25/13.00N TO 1976/ 27/14.00N



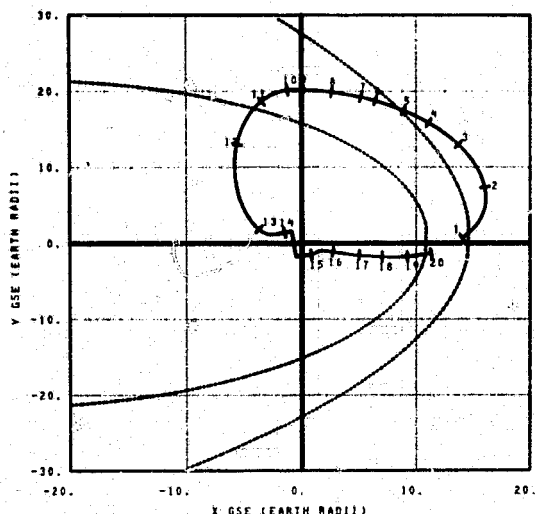
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 25/ 13.17N R= 15.7RE	11- 1976/ 26/ 7.50N R= 20.0RE
2- 1976/ 25/ 19.00N R= 17.4RE	12- 1976/ 26/ 9.50N R= 19.5RE
3- 1976/ 25/ 20.50N R= 18.1RE	13- 1976/ 26/ 14.50N R= 17.7RE
4- 1976/ 25/ 21.50N R= 18.7RE	14- 1976/ 26/ 16.50N R= 16.6RE
5- 1976/ 25/ 22.50N R= 19.5RE	15- 1976/ 26/ 18.50N R= 15.3RE
6- 1976/ 26/ 2.00N R= 20.2RE	16- 1976/ 26/ 23.03N R= 10.3RE
7- 1976/ 26/ 3.00N R= 20.3RE	17- 1976/ 27/ 2.50N R= 4.5RE
8- 1976/ 26/ 4.50N R= 20.3RE	18- 1976/ 27/ 5.17N R= 1.7RE
9- 1976/ 26/ 5.50N R= 20.2RE	19- 1976/ 27/ 6.33N R= 3.7RE
10- 1976/ 26/ 6.50N R= 20.1RE	20- 1976/ 27/ 14.00N R= 13.9RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 25/13.00N TO 1976/ 27/14.00N

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 27/ 14.17H	LAT= 70.5	11- 1976/ 28/ 19.47H	LAT= 73.3
2- 1976/ 27/ 19.47H	LAT= 78.6	12- 1976/ 28/ 23.17H	LAT= 60.6
3- 1976/ 27/ 22.67H	LAT= 80.9	13- 1976/ 29/ 7.00H	LAT= 11.1
4- 1976/ 28/ 0.17H	LAT= 81.5	14- 1976/ 29/ 0.00H	LAT= -41.9
5- 1976/ 28/ 1.17H	LAT= 81.7	15- 1976/ 29/ 0.42H	LAT= -77.0
6- 1976/ 28/ 2.17H	LAT= 81.7	16- 1976/ 29/ 9.20H	LAT= 8.6
7- 1976/ 28/ 2.67H	LAT= 81.7	17- 1976/ 29/ 10.33H	LAT= 33.9
8- 1976/ 28/ 3.67H	LAT= 81.5	18- 1976/ 29/ 11.50H	LAT= 87.0
9- 1976/ 28/ 4.67H	LAT= 81.1	19- 1976/ 29/ 13.00H	LAT= 56.6
10- 1976/ 28/ 0.17H	LAT= 79.1	20- 1976/ 29/ 14.67H	LAT= 53.3

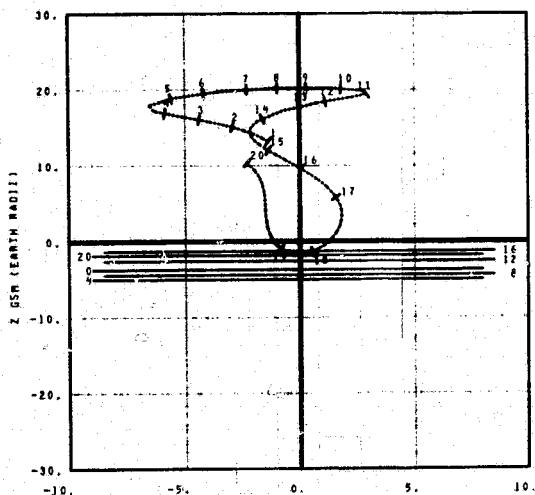
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 27/14.00H TO 1976/ 29/15.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 27/ 14.17H	R= 14.0RE	11- 1976/ 28/ 11.47H	R= 19.0RE
2- 1976/ 27/ 19.47H	R= 19.9RE	12- 1976/ 28/ 15.17H	R= 10.0RE
3- 1976/ 27/ 22.67H	R= 17.0RE	13- 1976/ 28/ 16.67H	R= 10.2RE
4- 1976/ 27/ 20.67H	R= 18.1RE	14- 1976/ 28/ 19.17H	R= 17.0RE
5- 1976/ 28/ 1.67H	R= 15.7RE	15- 1976/ 29/ 0.17H	R= 13.3RE
6- 1976/ 28/ 3.17H	R= 20.0RE	16- 1976/ 29/ 2.33H	R= 11.1RE
7- 1976/ 28/ 4.67H	R= 20.2RE	17- 1976/ 29/ 9.75H	R= 0.0RE
8- 1976/ 28/ 5.67H	R= 20.3RE	18- 1976/ 29/ 0.00H	R= 2.1RE
9- 1976/ 28/ 6.67H	R= 20.3RE	19- 1976/ 29/ 0.05H	R= 2.1RE
10- 1976/ 28/ 0.17H	R= 20.2RE	20- 1976/ 29/ 15.00H	R= 11.7RE

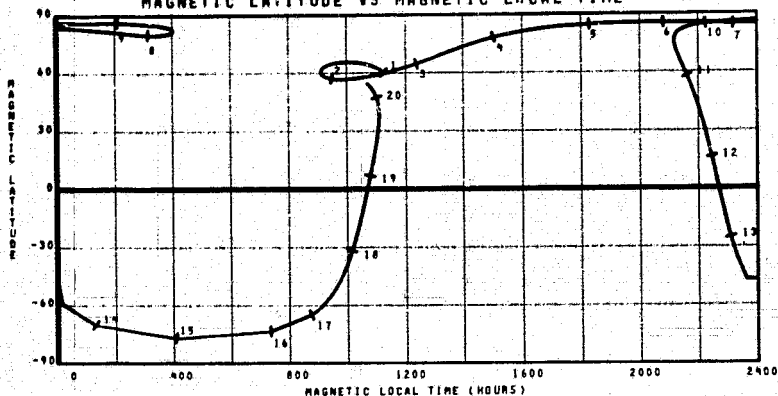
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 27/14.00H TO 1976/ 29/15.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

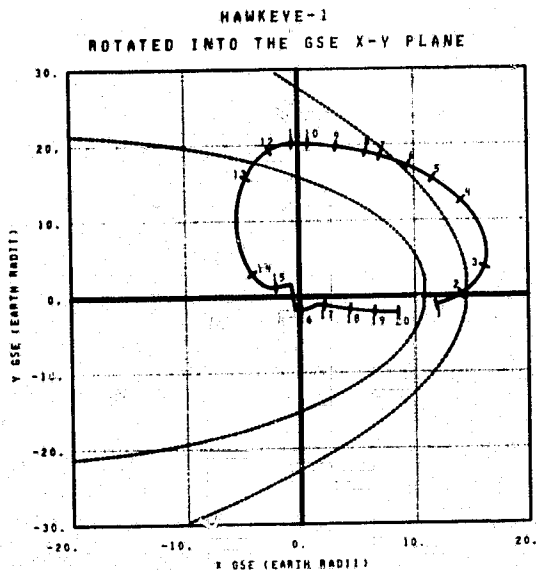


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 27/ 14.17H	R= 14.0RE	8- 1976/ 28/ 20.50H	R= 16.1RE	15- 1976/ 29/ 8.50H	R= 1.7RE
2- 1976/ 28/ 0.17H	R= 19.0RE	9- 1976/ 29/ 1.67H	R= 11.0RE	16- 1976/ 29/ 0.50H	R= 1.0RE
3- 1976/ 28/ 1.17H	R= 19.0RE	10- 1976/ 29/ 2.33H	R= 18.0RE	17- 1976/ 29/ 0.67H	R= 1.0RE
4- 1976/ 28/ 11.47H	R= 19.0RE	11- 1976/ 29/ 6.00H	R= 9.0RE	18- 1976/ 29/ 9.03H	R= 2.0RE
5- 1976/ 28/ 14.17H	R= 19.1RE	12- 1976/ 29/ 7.50H	R= 2.0RE	19- 1976/ 29/ 10.00H	R= 10.0RE
6- 1976/ 28/ 15.17H	R= 18.0RE	13- 1976/ 29/ 7.50H	R= 2.0RE	20- 1976/ 29/ 15.00H	R= 10.0RE
7- 1976/ 28/ 16.17H	R= 18.0RE	14- 1976/ 29/ 0.42H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR

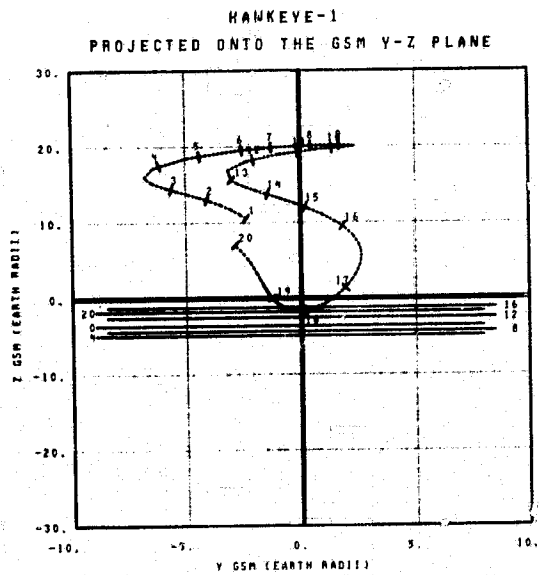
TIME INTERVAL OF PLOT 1976/ 27/14.00H TO 1976/ 29/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 29/ 19.17H	LAT= 64.9	11- 1976/ 30/ 10.00H	LAT= 86.1
2- 1976/ 29/ 17.50H	LAT= 70.7	12- 1976/ 30/ 10.00H	LAT= 75.3
3- 1976/ 29/ 21.00H	LAT= 76.4	13- 1976/ 30/ 23.33H	LAT= 66.2
4- 1976/ 30/ 2.00H	LAT= 80.9	14- 1976/ 31/ 9.67H	LAT= 22.5
5- 1976/ 30/ 3.50H	LAT= 81.5	15- 1976/ 31/ 11.00H	LAT= -23.9
6- 1976/ 30/ 4.50H	LAT= 81.7	16- 1976/ 31/ 11.60H	LAT= -80.6
7- 1976/ 30/ 5.50H	LAT= 81.7	17- 1976/ 31/ 12.17H	LAT= -15.6
8- 1976/ 30/ 6.00H	LAT= 81.7	18- 1976/ 31/ 13.25H	LAT= 27.8
9- 1976/ 30/ 7.00H	LAT= 81.5	19- 1976/ 31/ 14.42H	LAT= 94.2
10- 1976/ 30/ 8.00H	LAT= 81.1	20- 1976/ 31/ 15.75H	LAT= 94.0

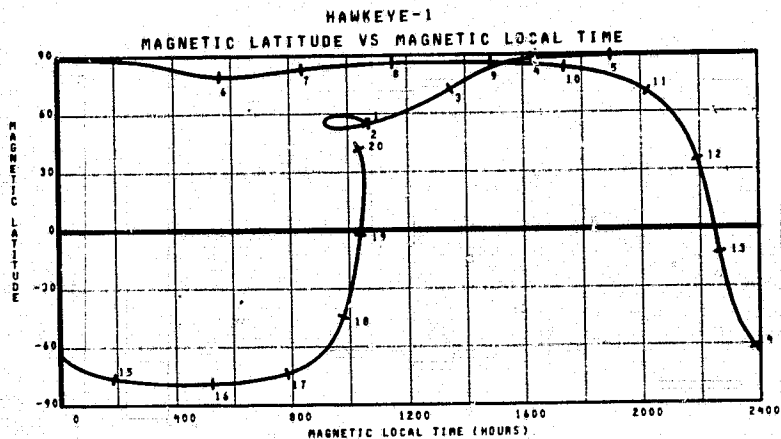
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 29/19.00H TO 1976/ 31/16.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 29/ 19.17H	R= 11.9Re	11- 1976/ 30/ 16.00H	R= 19.5Re
2- 1976/ 29/ 17.50H	R= 14.4Re	12- 1976/ 30/ 10.00H	R= 16.7Re
3- 1976/ 29/ 21.00H	R= 16.0Re	13- 1976/ 30/ 23.00H	R= 16.6Re
4- 1976/ 30/ 1.50H	R= 18.7Re	14- 1976/ 31/ 1.67H	R= 14.0Re
5- 1976/ 30/ 3.50H	R= 19.4Re	15- 1976/ 31/ 3.50H	R= 13.2Re
6- 1976/ 30/ 5.00H	R= 19.7Re	16- 1976/ 31/ 5.50H	R= 11.2Re
7- 1976/ 30/ 6.00H	R= 19.9Re	17- 1976/ 31/ 10.00H	R= 9.6Re
8- 1976/ 30/ 7.50H	R= 20.1Re	18- 1976/ 31/ 11.42H	R= 1.0Re
9- 1976/ 30/ 9.00H	R= 20.2Re	19- 1976/ 31/ 12.47H	R= 3.0Re
10- 1976/ 30/ 14.00H	R= 19.9Re	20- 1976/ 31/ 16.00H	R= 9.1Re

TIME AS YEAR/DAY/HOUR
R IS GEODESIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 29/19.00H TO 1976/ 31/16.00H



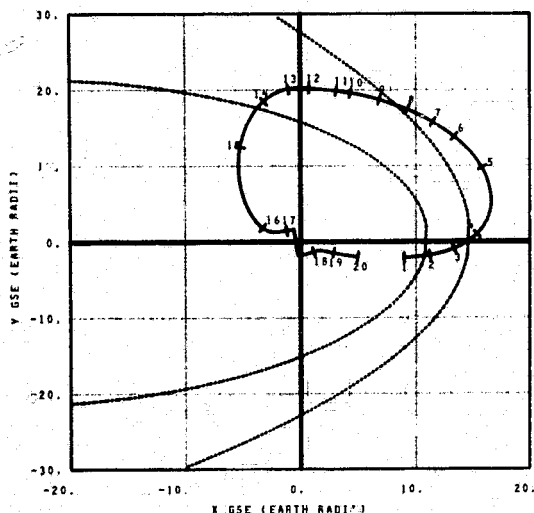
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 29/ 19.17H	R= 11.9Re	11- 1976/ 30/ 16.00H	R= 19.5Re
2- 1976/ 29/ 17.50H	R= 14.4Re	12- 1976/ 30/ 10.00H	R= 16.7Re
3- 1976/ 29/ 21.00H	R= 16.0Re	13- 1976/ 30/ 23.00H	R= 16.6Re
4- 1976/ 30/ 1.50H	R= 18.7Re	14- 1976/ 31/ 1.67H	R= 14.0Re
5- 1976/ 30/ 3.50H	R= 19.4Re	15- 1976/ 31/ 3.50H	R= 13.2Re
6- 1976/ 30/ 5.00H	R= 19.7Re	16- 1976/ 31/ 5.50H	R= 11.2Re
7- 1976/ 30/ 6.00H	R= 19.9Re	17- 1976/ 31/ 10.00H	R= 9.6Re
8- 1976/ 30/ 7.50H	R= 20.1Re	18- 1976/ 31/ 11.42H	R= 1.0Re
9- 1976/ 30/ 9.00H	R= 20.2Re	19- 1976/ 31/ 12.47H	R= 3.0Re
10- 1976/ 30/ 14.00H	R= 19.9Re	20- 1976/ 31/ 16.00H	R= 9.1Re

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 29/19.00H TO 1976/ 31/16.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 31/ 16.00H LAT= 55.0	11- 1976/ 32/ 10.47H LAT= 81.4
2- 1976/ 31/ 17.03H LAT= 63.1	12- 1976/ 32/ 11.67H LAT= 81.0
3- 1976/ 31/ 18.03H LAT= 68.6	13- 1976/ 32/ 15.17H LAT= 78.0
4- 1976/ 31/ 21.33H LAT= 73.5	14- 1976/ 32/ 21.67H LAT= 72.0
5- 1976/ 32/ 4.17H LAT= 80.3	15- 1976/ 33/ 6.33H LAT= 59.1
6- 1976/ 32/ 6.17H LAT= 81.3	16- 1976/ 33/ 13.50H LAT= 7.0
7- 1976/ 32/ 7.17H LAT= 81.4	17- 1976/ 33/ 14.50H LAT= -80.9
8- 1976/ 32/ 8.17H LAT= 81.7	18- 1976/ 33/ 14.52H LAT= -80.4
9- 1976/ 32/ 9.17H LAT= 81.7	19- 1976/ 33/ 15.77H LAT= 6.7
10- 1976/ 32/ 10.17H LAT= 81.5	20- 1976/ 33/ 16.03H LAT= 34.3

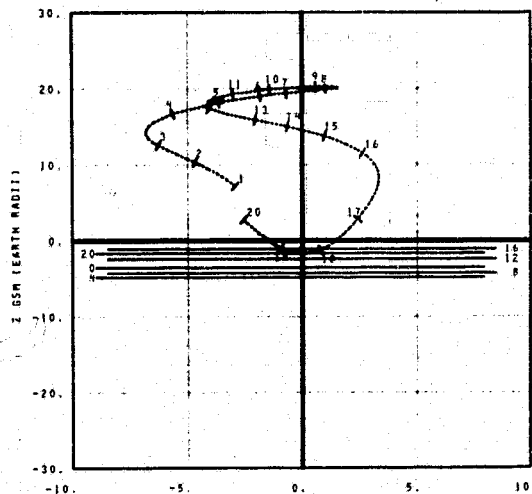
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 31/16.00H TO 1976/ 33/17.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 31/ 16.00H R= 9.20R	11- 1976/ 32/ 10.47H R= 19.6R
2- 1976/ 31/ 18.03H R= 12.9R	12- 1976/ 32/ 23.17H R= 10.2R
3- 1976/ 31/ 21.50H R= 14.7R	13- 1976/ 33/ 2.17H R= 16.6R
4- 1976/ 32/ 2.47H R= 17.9R	14- 1976/ 33/ 3.50H R= 15.0R
5- 1976/ 32/ 4.47H R= 18.7R	15- 1976/ 33/ 5.00H R= 14.7R
6- 1976/ 32/ 6.17H R= 19.2R	16- 1976/ 33/ 7.00H R= 13.0R
7- 1976/ 32/ 7.17H R= 19.5R	17- 1976/ 33/ 12.50H R= 5.0R
8- 1976/ 32/ 9.17H R= 19.9R	18- 1976/ 33/ 14.52H R= 2.1R
9- 1976/ 32/ 14.17H R= 20.2R	19- 1976/ 33/ 15.33H R= 2.3R
10- 1976/ 32/ 16.47H R= 20.0R	20- 1976/ 33/ 17.00H R= 5.7R

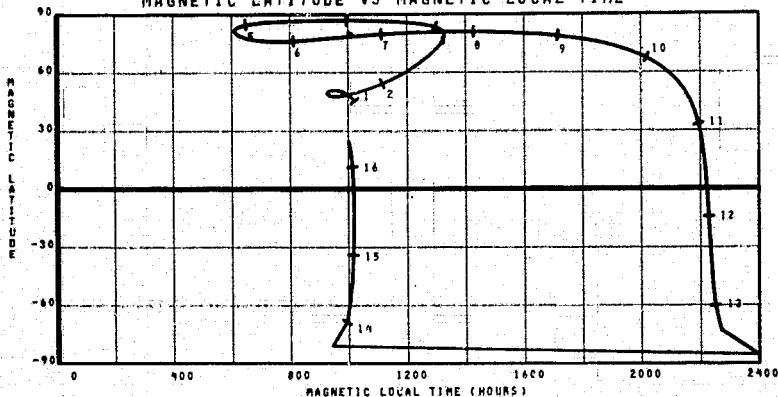
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 31/16.00H TO 1976/ 33/17.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

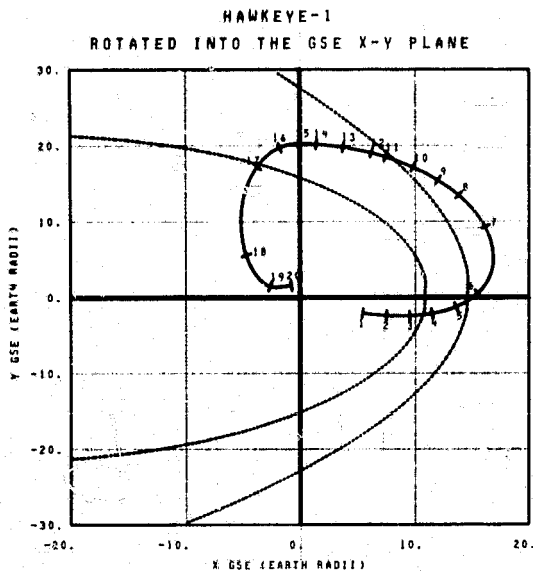


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 31/ 16.00H R= 5.2R	5- 1976/ 33/ 5.33H R= 14.4R	15- 1976/ 33/ 15.33H R= 2.2R
2- 1976/ 32/ 5.57H R= 19.1R	6- 1976/ 33/ 6.03H R= 13.1R	16- 1976/ 33/ 16.50H R= 9.2R
3- 1976/ 32/ 14.67H R= 20.2R	7- 1976/ 33/ 9.50H R= 10.3R	
4- 1976/ 32/ 19.67H R= 20.1R	11- 1976/ 33/ 13.00H R= 9.0R	
5- 1976/ 32/ 19.90H R= 19.9R	12- 1976/ 33/ 14.50H R= 8.0R	
6- 1976/ 33/ 0.17H R= 17.7R	13- 1976/ 33/ 14.67H R= 1.0R	
7- 1976/ 33/ 3.50H R= 19.0R	14- 1976/ 33/ 19.00H R= 1.0R	

TIME AS YEAR/DAY/HOUR

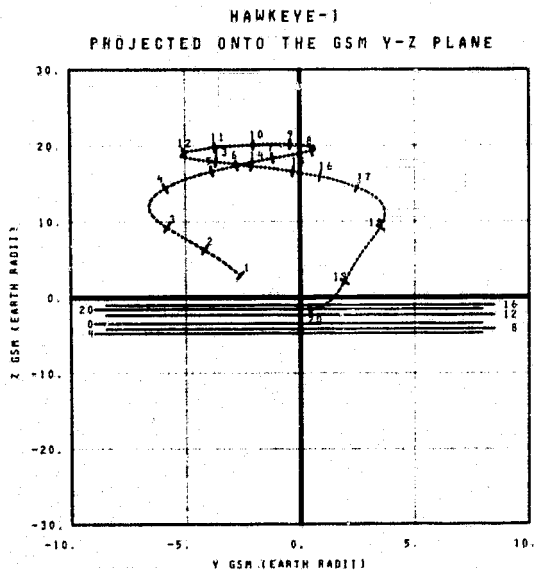
TIME INTERVAL OF PLOT 1976/ 31/16.00H TO 1976/ 33/17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 33/ 17.00H LAT= 37.8	11- 1976/ 34/ 12.50H LAT= 81.7
2- 1976/ 33/ 18.33H LAT= 49.9	12- 1976/ 34/ 13.00H LAT= 81.6
3- 1976/ 33/ 19.75H LAT= 57.9	13- 1976/ 34/ 14.00H LAT= 81.3
4- 1976/ 33/ 21.33H LAT= 63.9	14- 1976/ 34/ 15.00H LAT= 80.9
5- 1976/ 33/ 23.33H LAT= 69.2	15- 1976/ 34/ 16.00H LAT= 80.4
6- 1976/ 34/ 1.47H LAT= 73.7	16- 1976/ 34/ 21.00H LAT= 76.7
7- 1976/ 34/ 7.50H LAT= 80.3	17- 1976/ 35/ 3.50H LAT= 59.4
8- 1976/ 34/ 9.50H LAT= 81.3	18- 1976/ 35/ 14.03H LAT= 37.2
9- 1976/ 34/ 10.50H LAT= 81.6	19- 1976/ 35/ 17.17H LAT= -7.0
10- 1976/ 34/ 11.50H LAT= 81.7	20- 1976/ 35/ 17.03H LAT= -63.0

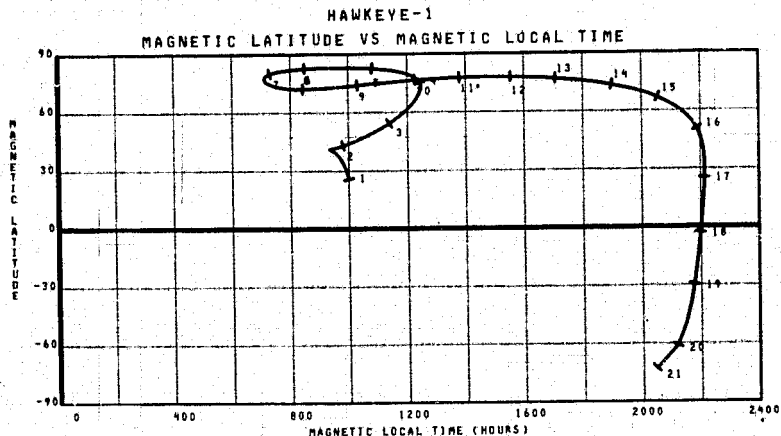
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 33/17.00H TO 1976/ 35/18.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 33/ 17.00H R= 5.0RE	11- 1976/ 34/ 18.50H R= 20.2RE
2- 1976/ 33/ 19.17H R= 9.0RE	12- 1976/ 34/ 21.00H R= 19.0RE
3- 1976/ 33/ 21.67H R= 12.0RE	13- 1976/ 35/ 1.50H R= 18.9RE
4- 1976/ 34/ 2.67H R= 16.1RE	14- 1976/ 35/ 3.00H R= 17.9RE
5- 1976/ 34/ 5.00H R= 17.5RE	15- 1976/ 35/ 4.50H R= 17.1RE
6- 1976/ 34/ 6.00H R= 18.0RE	16- 1976/ 35/ 5.50H R= 16.4RE
7- 1976/ 34/ 7.50H R= 18.4RE	17- 1976/ 35/ 7.17H R= 15.5RE
8- 1976/ 34/ 10.00H R= 19.4RE	18- 1976/ 35/ 12.00H R= 11.1RE
9- 1976/ 34/ 14.50H R= 20.2RE	19- 1976/ 35/ 16.35H R= 9.0RE
10- 1976/ 34/ 16.50H R= 20.3RE	20- 1976/ 35/ 18.00H R= 1.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 33/17.00H TO 1976/ 35/18.00H



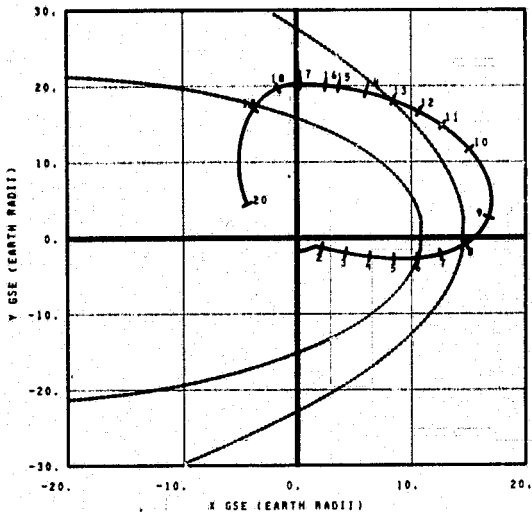
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 33/ 17.00H R= 5.0RE	8- 1976/ 34/ 24.00H R= 19.1RE	15- 1976/ 35/ 11.47H R= 11.5RE
2- 1976/ 33/ 18.00H R= 15.7RE	9- 1976/ 35/ 3.00H R= 17.0RE	16- 1976/ 35/ 14.00H R= 7.0RE
3- 1976/ 34/ 7.00H R= 18.4RE	10- 1976/ 35/ 5.00H R= 16.0RE	17- 1976/ 35/ 15.33H R= 2.7RE
4- 1976/ 34/ 12.50H R= 19.4RE	11- 1976/ 35/ 6.17H R= 16.1RE	18- 1976/ 35/ 17.03H R= 2.1RE
5- 1976/ 34/ 15.00H R= 20.2RE	12- 1976/ 35/ 7.33H R= 15.3RE	19- 1976/ 35/ 17.67H R= 2.1RE
6- 1976/ 34/ 16.50H R= 20.3RE	13- 1976/ 35/ 8.33H R= 14.6RE	20- 1976/ 35/ 18.00H R= 1.7RE
7- 1976/ 34/ 18.00H R= 20.2RE	14- 1976/ 35/ 9.33H R= 13.3RE	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 33/17.00H TO 1976/ 35/18.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 35/ 10.02H	LAT= -01.6	11- 1976/ 36/ 13.67H	LAT= 01.6
2- 1976/ 35/ 10.60H	LAT= -19.9	12- 1976/ 36/ 14.67H	LAT= 01.7
3- 1976/ 35/ 19.05H	LAT= 26.9	13- 1976/ 36/ 15.67H	LAT= 01.7
4- 1976/ 35/ 20.03H	LAT= 42.0	14- 1976/ 36/ 16.67H	LAT= 01.5
5- 1976/ 35/ 22.25H	LAT= 59.3	15- 1976/ 36/ 17.67H	LAT= 01.2
6- 1976/ 35/ 23.03H	LAT= 61.9	16- 1976/ 36/ 18.17H	LAT= 01.0
7- 1976/ 36/ 1.67H	LAT= 67.0	17- 1976/ 36/ 19.17H	LAT= 00.5
8- 1976/ 36/ 4.00H	LAT= 72.1	18- 1976/ 37/ 0.17H	LAT= 76.0
9- 1976/ 36/ 7.33H	LAT= 77.0	19- 1976/ 37/ 7.17H	LAT= 69.1
10- 1976/ 36/ 12.17H	LAT= 81.1	20- 1976/ 37/ 10.75H	LAT= 30.9

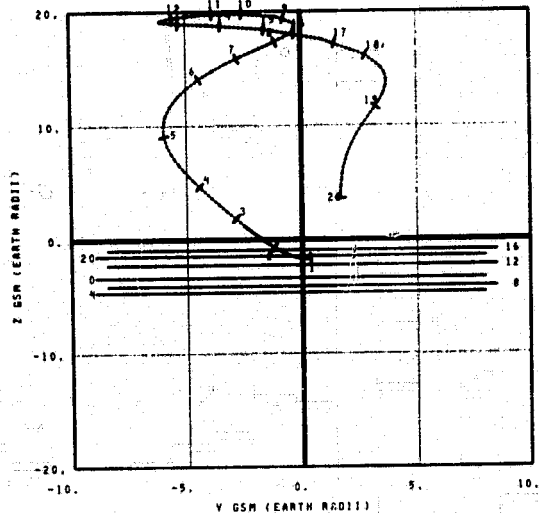
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 35/10.00H TO 1976/ 37/19.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 35/ 10.02H	R= 1.7Re	11- 1976/ 36/ 17.67H	R= 20.2Re
2- 1976/ 35/ 10.70H	R= 2.0Re	12- 1976/ 36/ 20.17H	R= 20.3Re
3- 1976/ 35/ 20.00H	R= 5.2Re	13- 1976/ 37/ 0.67H	R= 19.7Re
4- 1976/ 35/ 21.67H	R= 8.0Re	14- 1976/ 37/ 2.67H	R= 19.2Re
5- 1976/ 36/ 0.03H	R= 11.9Re	15- 1976/ 37/ 4.17H	R= 18.7Re
6- 1976/ 36/ 4.03H	R= 19.4Re	16- 1976/ 37/ 5.17H	R= 18.4Re
7- 1976/ 36/ 6.67H	R= 16.6Re	17- 1976/ 37/ 6.67H	R= 17.7Re
8- 1976/ 36/ 8.67H	R= 17.7Re	18- 1976/ 37/ 8.17H	R= 16.9Re
9- 1976/ 36/ 13.67H	R= 19.3Re	19- 1976/ 37/ 13.53H	R= 15.1Re
10- 1976/ 36/ 18.17H	R= 20.0Re	20- 1976/ 37/ 19.00H	R= 9.0Re

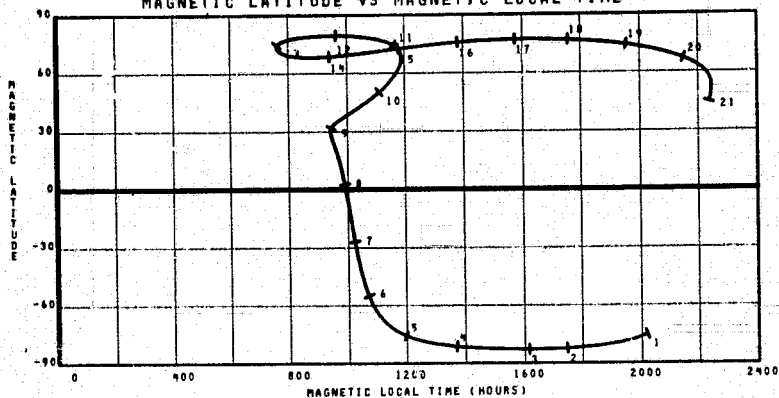
TIME AS YEAR/DAY/HOUR

R IS HECENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 35/10.00H TO 1976/ 37/19.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

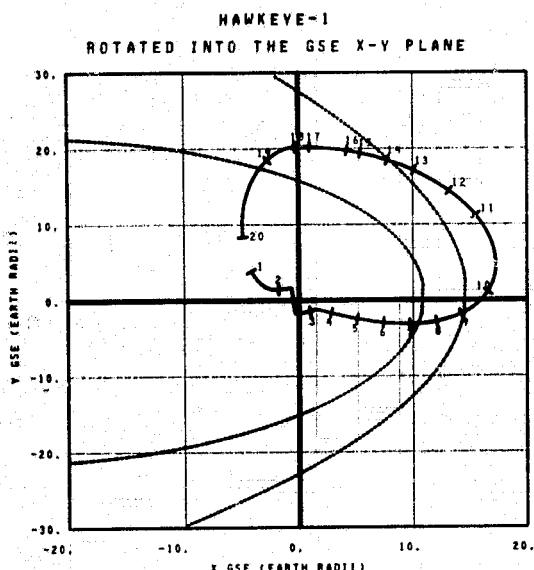


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 35/ 10.02H	R= 1.7Re	8- 1976/ 35/ 19.38H	R= 9.0Re	15- 1976/ 37/ 5.17H	R= 18.4Re
2- 1976/ 35/ 10.06H	R= 1.7Re	9- 1976/ 35/ 23.03H	R= 10.0Re	16- 1976/ 37/ 7.17H	R= 17.4Re
3- 1976/ 35/ 10.10H	R= 1.7Re	10- 1976/ 36/ 7.00H	R= 10.0Re	17- 1976/ 37/ 8.17H	R= 16.4Re
4- 1976/ 35/ 10.14H	R= 1.7Re	11- 1976/ 36/ 13.17H	R= 13.9Re	18- 1976/ 37/ 10.00H	R= 15.7Re
5- 1976/ 35/ 10.18H	R= 1.0Re	12- 1976/ 36/ 15.67H	R= 19.0Re	19- 1976/ 37/ 11.67H	R= 14.9Re
6- 1976/ 35/ 10.33H	R= 1.0Re	13- 1976/ 36/ 19.17H	R= 20.3Re	20- 1976/ 37/ 17.00H	R= 9.0Re
7- 1976/ 35/ 10.67H	R= 2.5Re	14- 1976/ 37/ 1.67H	R= 19.3Re	21- 1976/ 37/ 19.00H	R= 9.0Re

TIME AS YEAR/DAY/HOUR

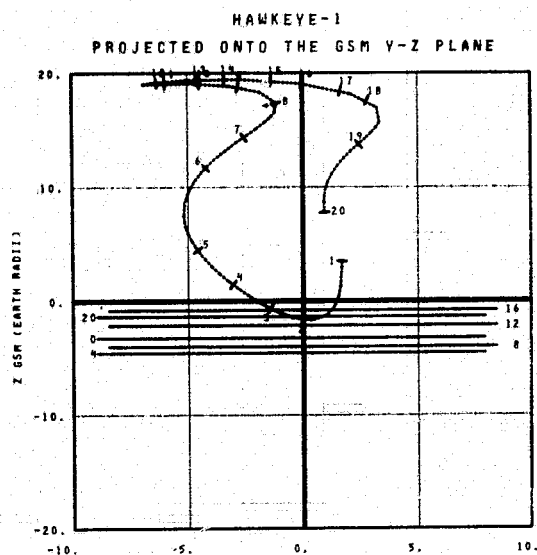
TIME INTERVAL OF PLOT 1976/ 35/10.00H TO 1976/ 37/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 37/ 19.00H LAT= 26.3	11- 1976/ 38/ 15.50H LAT= 81.1
2- 1976/ 37/ 20.75H LAT= 30.9	12- 1976/ 38/ 17.50H LAT= 81.6
3- 1976/ 37/ 21.35H LAT= 71.1	13- 1976/ 38/ 18.50H LAT= 81.7
4- 1976/ 37/ 22.22H LAT= 7.2	14- 1976/ 38/ 19.50H LAT= 81.6
5- 1976/ 37/ 23.42H LAT= 36.3	15- 1976/ 38/ 20.50H LAT= 81.3
6- 1976/ 38/ 0.03H LAT= 50.2	16- 1976/ 38/ 21.00H LAT= 81.2
7- 1976/ 38/ 2.50H LAT= 59.2	17- 1976/ 38/ 22.50H LAT= 86.5
8- 1976/ 38/ 4.50H LAT= 65.9	18- 1976/ 38/ 29.00H LAT= 79.9
9- 1976/ 38/ 6.57H LAT= 71.9	19- 1976/ 39/ 7.50H LAT= 72.7
10- 1976/ 38/ 9.03H LAT= 76.1	20- 1976/ 39/ 19.67H LAT= 47.2

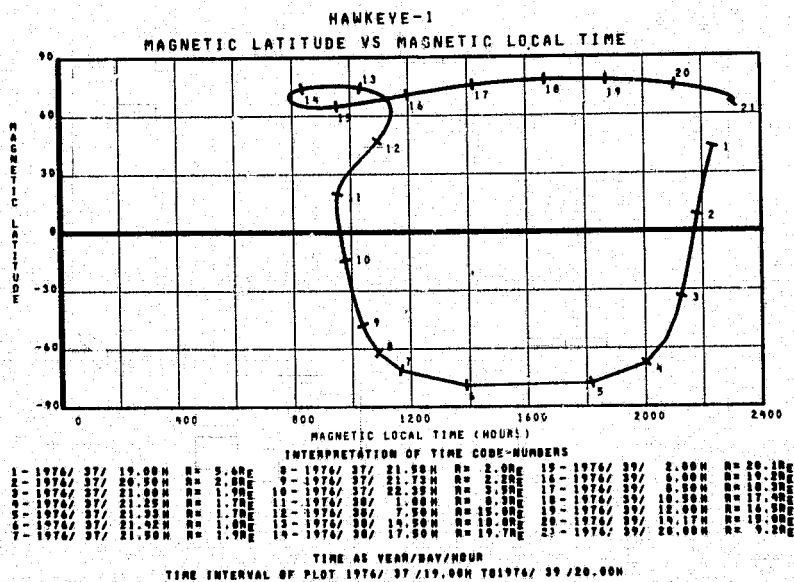
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 37/19.00H TO 1976/ 39/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

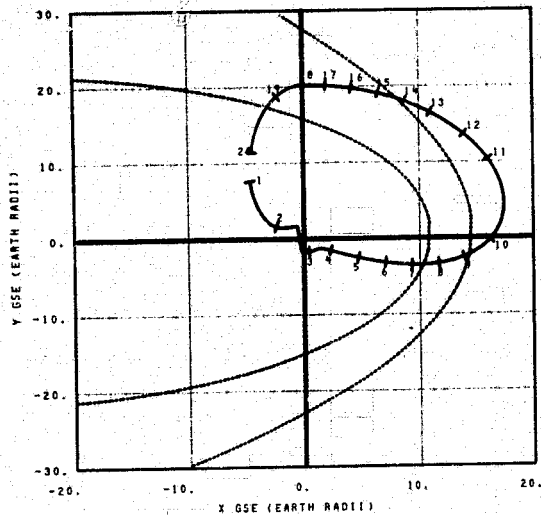
1- 1976/ 37/ 19.00H R= 5.6RE	11- 1976/ 38/ 15.50H R= 20.0RE
2- 1976/ 37/ 21.50H R= 1.9RE	12- 1976/ 39/ 0.50H R= 20.2RE
3- 1976/ 37/ 22.12H R= 3.0RE	13- 1976/ 39/ 2.50H R= 20.0RE
4- 1976/ 37/ 23.17H R= 5.2RE	14- 1976/ 39/ 3.50H R= 19.0RE
5- 1976/ 38/ 0.03H R= 7.9RE	15- 1976/ 39/ 5.00H R= 19.5RE
6- 1976/ 38/ 9.50H R= 13.3RE	16- 1976/ 39/ 6.00H R= 19.2RE
7- 1976/ 38/ 7.03H R= 19.2RE	17- 1976/ 39/ 7.50H R= 18.7RE
8- 1976/ 38/ 12.00H R= 17.7RE	18- 1976/ 39/ 9.00H R= 18.1RE
9- 1976/ 38/ 15.50H R= 19.1RE	19- 1976/ 39/ 14.67H R= 14.7RE
10- 1976/ 38/ 17.50H R= 19.7RE	20- 1976/ 39/ 20.00H R= 9.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 37/19.00H TO 1976/ 39/20.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 39/ 20.17H	LAT= 94.6	11- 1976/ 40/ 10.67H	LAT= 81.1
2- 1976/ 39/ 23.67H	LAT= -10.2	12- 1976/ 40/ 20.17H	LAT= 81.6
3- 1976/ 40/ 0.50H	LAT= -77.7	13- 1976/ 40/ 21.67H	LAT= 81.7
4- 1976/ 40/ 1.20H	LAT= -4.7	14- 1976/ 40/ 22.67H	LAT= 81.6
5- 1976/ 40/ 2.42H	LAT= 33.0	15- 1976/ 40/ 23.67H	LAT= 81.4
6- 1976/ 40/ 3.83H	LAT= 40.6	16- 1976/ 41/ 0.67H	LAT= 81.0
7- 1976/ 40/ 5.50H	LAT= 58.2	17- 1976/ 41/ 1.67H	LAT= 80.5
8- 1976/ 40/ 7.50H	LAT= 65.3	18- 1976/ 41/ 2.67H	LAT= 79.9
9- 1976/ 40/ 9.67H	LAT= 70.5	19- 1976/ 41/ 10.17H	LAT= 73.4
10- 1976/ 40/ 12.50H	LAT= 75.3	20- 1976/ 41/ 20.50H	LAT= 56.0

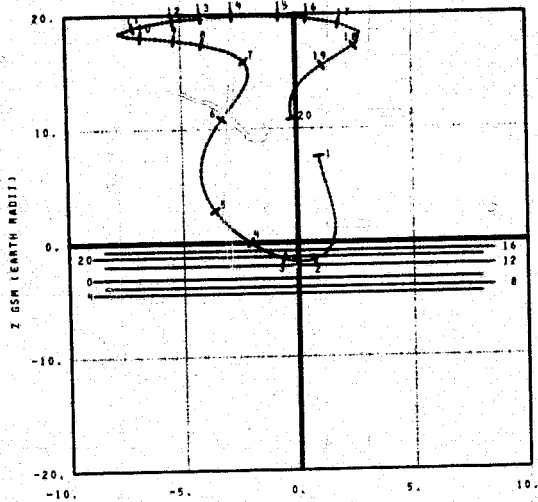
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 39/20.00H TO 1976/ 41/21.00H

HAWKEYE-1

PROJECTED ONTO THE GSM V-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 39/ 20.17H	R= 9.0RE	11- 1976/ 41/ 0.67H	R= 20.2RE
2- 1976/ 39/ 23.67H	R= 1.7RE	12- 1976/ 41/ 2.67H	R= 20.3RE
3- 1976/ 40/ 0.50H	R= 2.2RE	13- 1976/ 41/ 3.67H	R= 20.2RE
4- 1976/ 40/ 1.20H	R= 3.7RE	14- 1976/ 41/ 4.67H	R= 20.1RE
5- 1976/ 40/ 2.42H	R= 6.3RE	15- 1976/ 41/ 6.17H	R= 19.9RE
6- 1976/ 40/ 3.83H	R= 12.3RE	16- 1976/ 41/ 7.17H	R= 19.7RE
7- 1976/ 40/ 5.50H	R= 16.5RE	17- 1976/ 41/ 8.67H	R= 19.4RE
8- 1976/ 40/ 7.50H	R= 18.2RE	18- 1976/ 41/ 13.17H	R= 17.4RE
9- 1976/ 40/ 9.67H	R= 18.0RE	19- 1976/ 41/ 16.00H	R= 16.0RE
10- 1976/ 40/ 12.50H	R= 19.4RE	20- 1976/ 41/ 21.00H	R= 11.0RE

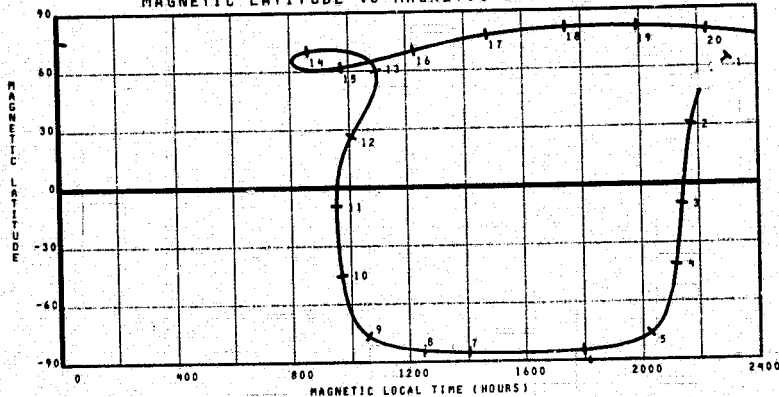
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 39/20.00H TO 1976/ 41/21.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

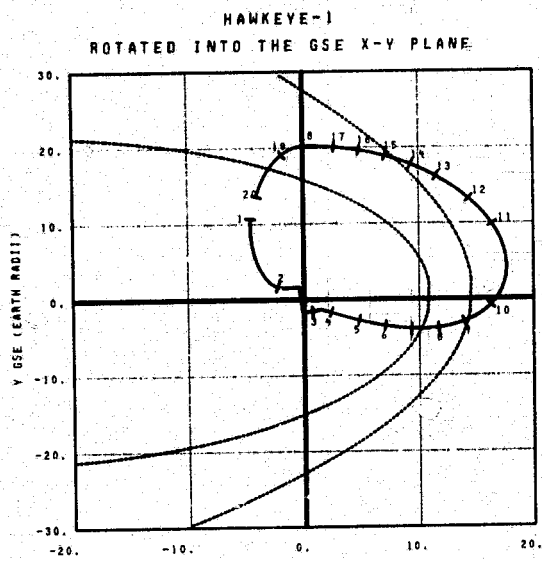


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 39/ 20.17H	R= 9.0RE	11- 1976/ 40/ 0.60H	R= 1.0RE	15- 1976/ 41/ 2.67H	R= 20.2RE
2- 1976/ 39/ 23.67H	R= 3.4RE	12- 1976/ 40/ 0.75H	R= 1.9RE	16- 1976/ 41/ 7.17H	R= 19.7RE
3- 1976/ 40/ 0.50H	R= 2.1RE	13- 1976/ 40/ 1.00H	R= 2.5RE	17- 1976/ 41/ 10.17H	R= 19.1RE
4- 1976/ 40/ 1.20H	R= 1.8RE	14- 1976/ 40/ 1.25H	R= 3.5RE	18- 1976/ 41/ 13.17H	R= 17.4RE
5- 1976/ 40/ 2.42H	R= 1.7RE	15- 1976/ 40/ 1.50H	R= 4.5RE	19- 1976/ 41/ 16.00H	R= 16.0RE
6- 1976/ 40/ 3.83H	R= 1.8RE	16- 1976/ 40/ 1.75H	R= 5.5RE	20- 1976/ 41/ 21.00H	R= 11.0RE
7- 1976/ 40/ 5.50H	R= 1.8RE	17- 1976/ 40/ 2.00H	R= 6.5RE		
8- 1976/ 40/ 7.50H	R= 1.8RE	18- 1976/ 40/ 2.25H	R= 7.5RE		
9- 1976/ 40/ 9.67H	R= 1.8RE	19- 1976/ 40/ 2.50H	R= 8.5RE		
10- 1976/ 40/ 12.50H	R= 1.8RE	20- 1976/ 40/ 2.75H	R= 9.5RE		

TIME AS YEAR/DAY/HOUR

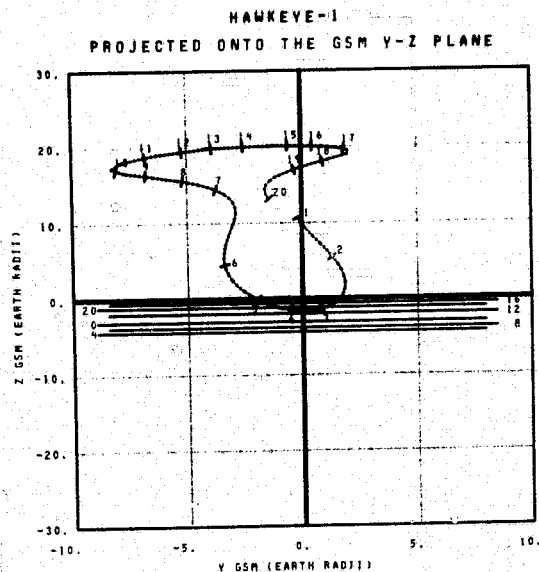
TIME INTERVAL OF PLOT 1976/ 39/20.00H TO 1976/ 41/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 91/ 21.17H	LAT= 54.0	11 - 1976/ 42/ 22.00H	LAT= 81.1
2 - 1976/ 42/ 2.92H	LAT= -12.0	12 - 1976/ 42/ 23.50H	LAT= 81.4
3 - 1976/ 42/ 3.75H	LAT= -73.5	13 - 1976/ 43/ 1.00H	LAT= 81.7
4 - 1976/ 42/ 4.47H	LAT= -1.9	14 - 1976/ 43/ 2.00H	LAT= 81.4
5 - 1976/ 42/ 5.75H	LAT= 34.7	15 - 1976/ 43/ 3.00H	LAT= 81.4
6 - 1976/ 42/ 7.17H	LAT= 49.4	16 - 1976/ 43/ 4.00H	LAT= 81.4
7 - 1976/ 42/ 8.83H	LAT= 58.6	17 - 1976/ 43/ 5.00H	LAT= 80.5
8 - 1976/ 42/ 10.83H	LAT= 65.8	18 - 1976/ 43/ 6.50H	LAT= 79.4
9 - 1976/ 42/ 13.00H	LAT= 70.4	19 - 1976/ 43/ 12.50H	LAT= 74.4
10 - 1976/ 42/ 15.43H	LAT= 75.4	20 - 1976/ 43/ 21.47H	LAT= 61.1

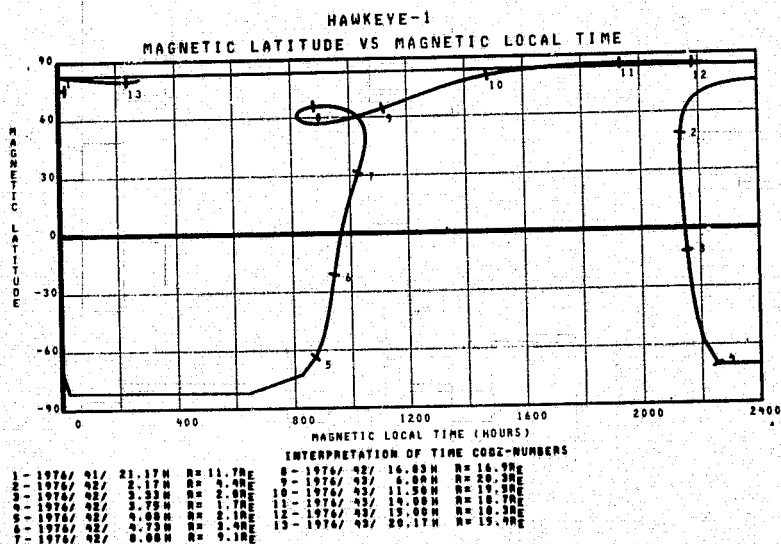
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 41/21.00H TO 1976/ 43/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 41/ 21.17H	R= 11.7RE	11 - 1976/ 43/ 2.00H	R= 20.0RE
2 - 1976/ 42/ 0.67H	R= 7.1RE	12 - 1976/ 43/ 3.50H	R= 20.2RE
3 - 1976/ 42/ 3.50H	R= 1.0RE	13 - 1976/ 43/ 4.50H	R= 20.3RE
4 - 1976/ 42/ 4.00H	R= 1.4RE	14 - 1976/ 43/ 5.50H	R= 20.3RE
5 - 1976/ 42/ 4.68H	R= 2.3RE	15 - 1976/ 43/ 7.00H	R= 20.2RE
6 - 1976/ 42/ 6.75H	R= 7.1RE	16 - 1976/ 43/ 8.00H	R= 20.1RE
7 - 1976/ 42/ 11.67H	R= 19.5RE	17 - 1976/ 43/ 10.00H	R= 19.0RE
8 - 1976/ 42/ 16.83H	R= 16.7RE	18 - 1976/ 43/ 19.00H	R= 18.3RE
9 - 1976/ 42/ 19.00H	R= 18.0RE	19 - 1976/ 43/ 17.00H	R= 17.3RE
10 - 1976/ 42/ 21.50H	R= 19.0RE	20 - 1976/ 43/ 22.00H	R= 13.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 41/21.00H TO 1976/ 43/22.00H

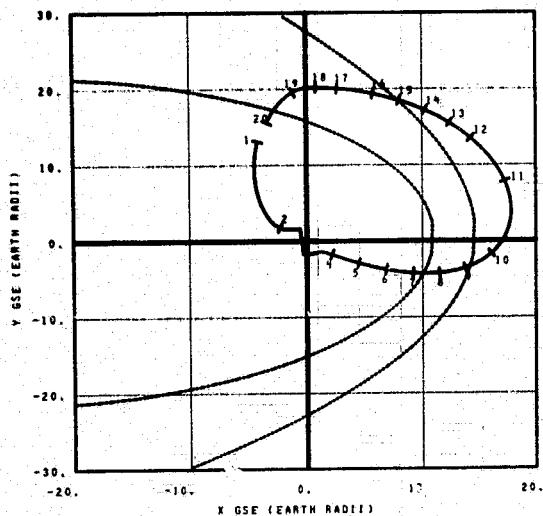


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 41/ 21.17H	R= 11.7RE	8 - 1976/ 42/ 16.83H	R= 16.7RE
2 - 1976/ 42/ 2.17H	R= 4.0RE	9 - 1976/ 43/ 6.00H	R= 20.3RE
3 - 1976/ 42/ 3.75H	R= 1.0RE	10 - 1976/ 43/ 11.50H	R= 19.5RE
4 - 1976/ 42/ 3.75H	R= 1.7RE	11 - 1976/ 43/ 19.00H	R= 18.7RE
5 - 1976/ 42/ 4.00H	R= 2.1RE	12 - 1976/ 43/ 19.00H	R= 18.3RE
6 - 1976/ 42/ 4.75H	R= 3.1RE	13 - 1976/ 43/ 20.17H	R= 19.4RE
7 - 1976/ 42/ 8.08H	R= 9.1RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 41/21.00H TO 1976/ 43/22.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

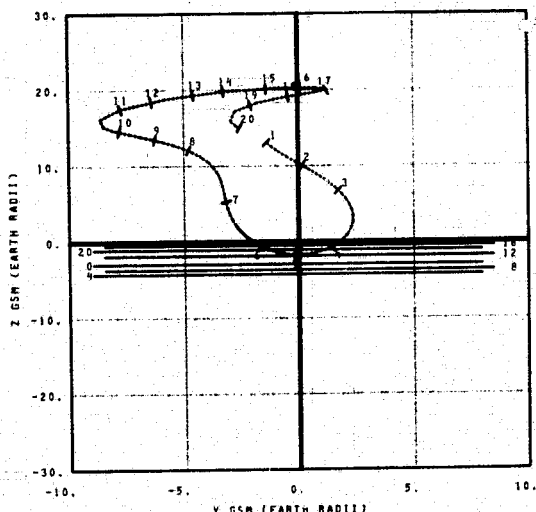


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 43/ 22.17H LAT= 40.0	11- 1976/ 45/ 0.67H LAT= 88.0
2- 1976/ 44/ 6.00H LAT= -9.2	12- 1976/ 45/ 3.17H LAT= 81.7
3- 1976/ 44/ 6.92H LAT= -79.5	13- 1976/ 45/ 4.17H LAT= 81.7
4- 1976/ 44/ 7.67H LAT= -2.8	14- 1976/ 45/ 5.17H LAT= 81.6
5- 1976/ 44/ 8.92H LAT= 33.9	15- 1976/ 45/ 6.17H LAT= 81.9
6- 1976/ 44/ 10.42H LAT= 49.6	16- 1976/ 45/ 7.17H LAT= 81.9
7- 1976/ 44/ 12.00H LAT= 58.7	17- 1976/ 45/ 8.47H LAT= 80.3
8- 1976/ 44/ 14.00H LAT= 65.3	18- 1976/ 45/ 9.67H LAT= 79.7
9- 1976/ 44/ 16.17H LAT= 70.5	19- 1976/ 45/ 14.17H LAT= 76.0
10- 1976/ 44/ 18.23H LAT= 75.0	20- 1976/ 45/ 22.50H LAT= 65.7

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 43/22.00H TO 1976/ 45/23.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

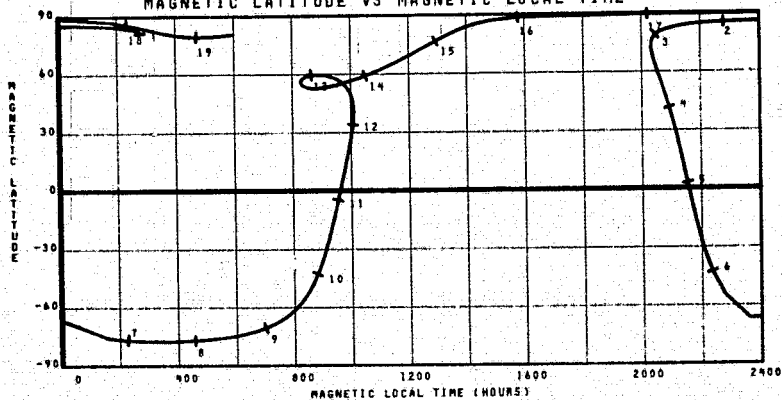


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 43/ 22.17H R= 13.0RE	11- 1976/ 45/ 1.47H R= 19.3RE
2- 1976/ 44/ 1.00H R= 11.0RE	12- 1976/ 45/ 3.17H R= 19.7RE
3- 1976/ 44/ 3.17H R= 9.2RE	13- 1976/ 45/ 4.67H R= 20.0RE
4- 1976/ 44/ 6.33H R= 2.4RE	14- 1976/ 45/ 5.67H R= 20.1RE
5- 1976/ 44/ 7.00H R= 1.7RE	15- 1976/ 45/ 7.17H R= 20.2RE
6- 1976/ 44/ 7.43H R= 2.7RE	16- 1976/ 45/ 8.67H R= 20.3RE
7- 1976/ 44/ 10.25H R= 7.6RE	17- 1976/ 45/ 12.17H R= 20.0RE
8- 1976/ 44/ 15.67H R= 13.0RE	18- 1976/ 45/ 15.67H R= 19.2RE
9- 1976/ 44/ 17.83H R= 15.5RE	19- 1976/ 45/ 19.17H R= 18.3RE
10- 1976/ 44/ 20.17H R= 17.0RE	20- 1976/ 45/ 23.00H R= 15.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 43/22.00H TO 1976/ 45/23.00H

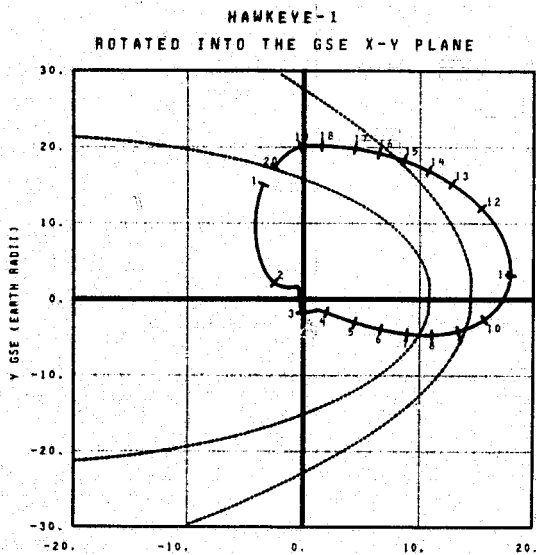
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 43/ 22.17H R= 13.0RE	8- 1976/ 44/ 7.07H R= 1.0RE	15- 1976/ 45/ 16.67H R= 20.2RE
2- 1976/ 44/ 1.17H R= 19.0RE	9- 1976/ 44/ 7.15H R= 1.0RE	16- 1976/ 45/ 19.67H R= 19.6RE
3- 1976/ 44/ 2.67H R= 6.9RE	10- 1976/ 44/ 7.43H R= 2.3RE	17- 1976/ 45/ 19.67H R= 19.6RE
4- 1976/ 44/ 5.90H R= 4.2RE	11- 1976/ 44/ 10.17H R= 3.9RE	18- 1976/ 45/ 19.67H R= 19.6RE
5- 1976/ 44/ 6.53H R= 2.9RE	12- 1976/ 44/ 15.50H R= 8.0RE	19- 1976/ 45/ 20.67H R= 17.1RE
6- 1976/ 44/ 6.79H R= 1.0RE	13- 1976/ 44/ 17.33H R= 15.1RE	
7- 1976/ 44/ 7.02H R= 1.7RE	14- 1976/ 44/ 9.17H R= 20.0RE	

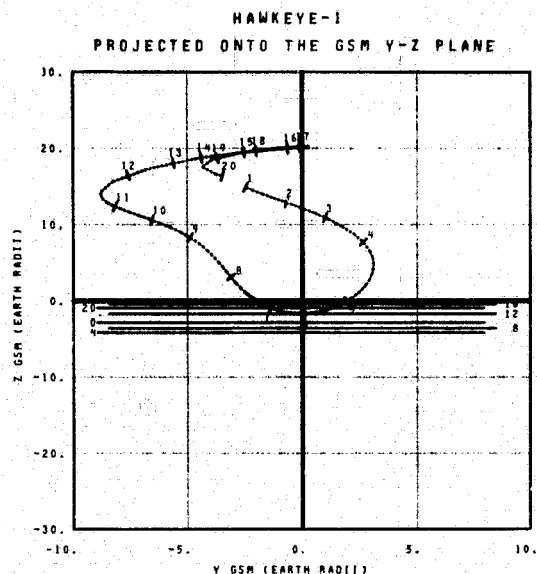
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 43/22.00H TO 1976/ 45/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 45/ 23.17H	LAT= 64.6	11 - 1976/ 47/ 2.00H	LAT= 79.4
2 - 1976/ 46/ 9.00H	LAT= 0.7	12 - 1976/ 47/ 6.00H	LAT= 81.6
3 - 1976/ 46/ 10.00H	LAT= -81.6	13 - 1976/ 47/ 7.50H	LAT= 81.7
4 - 1976/ 46/ 10.17H	LAT= -10.0	14 - 1976/ 47/ 8.50H	LAT= 81.6
5 - 1976/ 46/ 12.00H	LAT= 33.1	15 - 1976/ 47/ 9.50H	LAT= 81.4
6 - 1976/ 46/ 13.50H	LAT= 40.6	16 - 1976/ 47/ 10.50H	LAT= 81.0
7 - 1976/ 46/ 15.17H	LAT= 50.1	17 - 1976/ 47/ 11.50H	LAT= 80.5
8 - 1976/ 46/ 17.00H	LAT= 64.6	18 - 1976/ 47/ 13.00H	LAT= 79.6
9 - 1976/ 46/ 19.17H	LAT= 70.0	19 - 1976/ 47/ 15.00H	LAT= 78.2
10 - 1976/ 46/ 21.67H	LAT= 74.4	20 - 1976/ 47/ 23.00H	LAT= 69.8

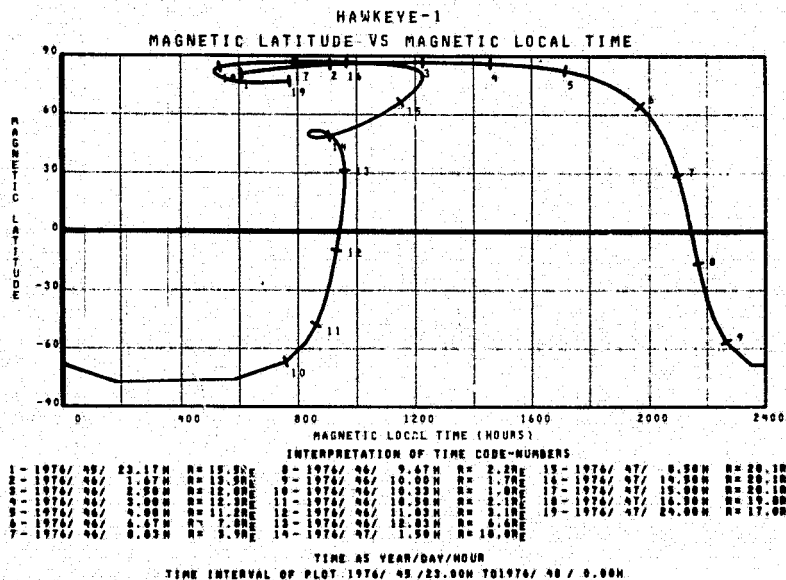
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 45/23.00H TO 1976/ 46/ 0.00H



INTERPRETATION OF TIME CODE-NUMBERS

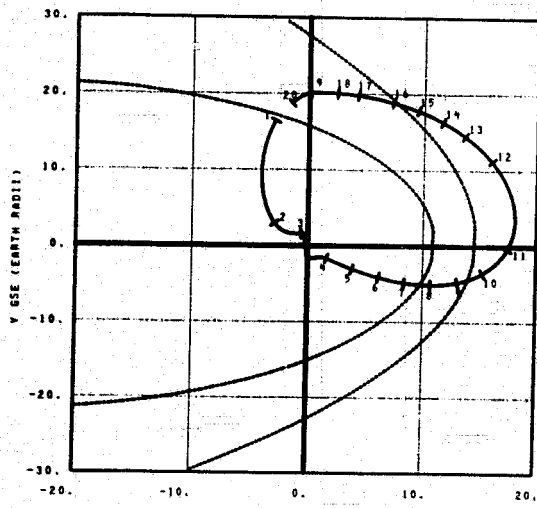
1 - 1976/ 45/ 23.17H	R= 15.5R _E	11 - 1976/ 46/ 21.00H	R= 15.5R _E
2 - 1976/ 46/ 9.00H	R= 13.5R _E	12 - 1976/ 47/ 2.50H	R= 18.5R _E
3 - 1976/ 46/ 10.00H	R= 11.0R _E	13 - 1976/ 47/ 4.50H	R= 19.2R _E
4 - 1976/ 46/ 10.17H	R= 9.2R _E	14 - 1976/ 47/ 5.50H	R= 19.5R _E
5 - 1976/ 46/ 12.00H	R= 8.0R _E	15 - 1976/ 47/ 7.00H	R= 19.0R _E
6 - 1976/ 46/ 13.50H	R= 7.7R _E	16 - 1976/ 47/ 9.00H	R= 20.1R _E
7 - 1976/ 46/ 15.17H	R= 7.4R _E	17 - 1976/ 47/ 13.50H	R= 20.2R _E
8 - 1976/ 46/ 17.00H	R= 6.9R _E	18 - 1976/ 47/ 16.50H	R= 19.0R _E
9 - 1976/ 46/ 19.17H	R= 10.0R _E	19 - 1976/ 47/ 19.00H	R= 19.2R _E
10 - 1976/ 46/ 21.67H	R= 13.3R _E	20 - 1976/ 47/ 24.00H	R= 17.0R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 45/23.00H TO 1976/ 46/ 0.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Z PLANE



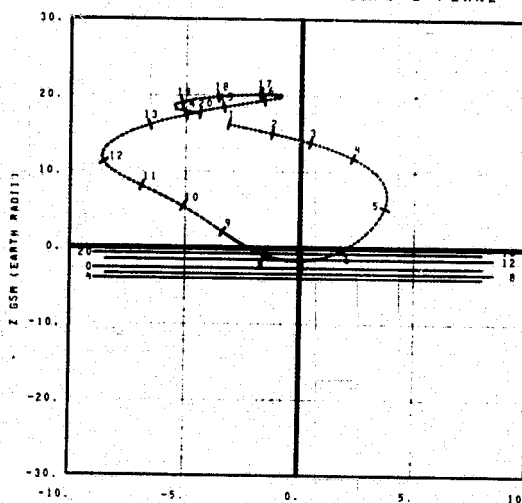
INTERPOLATION OF TIME CODE-NUMBERS

1- 1976/ 48/ 0.50H LAT= 67.7	11- 1976/ 49/ 3.50H LAT= 77.7
2- 1976/ 48/ 11.92H LAT= 12.9	12- 1976/ 49/ 9.17H LAT= 81.3
3- 1976/ 48/ 13.17H LAT= -66.6	13- 1976/ 49/ 10.67H LAT= 81.7
4- 1976/ 48/ 13.05H LAT= -20.1	14- 1976/ 49/ 11.67H LAT= 81.6
5- 1976/ 48/ 15.12H LAT= 30.0	15- 1976/ 49/ 12.67H LAT= 81.9
6- 1976/ 48/ 16.50H LAT= 47.5	16- 1976/ 49/ 13.67H LAT= 81.9
7- 1976/ 48/ 18.17H LAT= 57.1	17- 1976/ 49/ 15.17H LAT= 80.3
8- 1976/ 48/ 20.00H LAT= 64.0	18- 1976/ 49/ 16.17H LAT= 79.7
9- 1976/ 48/ 22.17H LAT= 69.5	19- 1976/ 49/ 17.67H LAT= 78.6
10- 1976/ 49/ 0.50H LAT= 73.0	20- 1976/ 49/ 23.17H LAT= 73.5

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 48/ 0.00H TO 1976/ 50/ 1.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



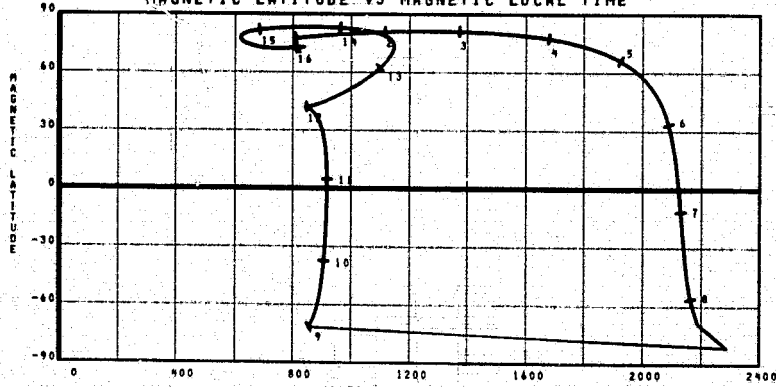
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 48/ 0.50H R= 16.7Re	11- 1976/ 49/ 19.02H R= 11.6Re
2- 1976/ 48/ 2.50H R= 15.4Re	12- 1976/ 49/ 23.23H R= 14.8Re
3- 1976/ 48/ 4.00H R= 14.3Re	13- 1976/ 49/ 4.17H R= 17.8Re
4- 1976/ 48/ 5.03H R= 12.7Re	14- 1976/ 49/ 7.17H R= 19.6Re
5- 1976/ 48/ 10.00H R= 7.5Re	15- 1976/ 49/ 9.17H R= 19.6Re
6- 1976/ 48/ 12.50H R= 2.0Re	16- 1976/ 49/ 9.17H R= 19.6Re
7- 1976/ 48/ 13.33H R= 1.7Re	17- 1976/ 49/ 14.67H R= 20.2Re
8- 1976/ 48/ 13.95H R= 2.5Re	18- 1976/ 49/ 17.17H R= 20.2Re
9- 1976/ 48/ 15.33H R= 5.3Re	19- 1976/ 49/ 19.67H R= 19.0Re
10- 1976/ 48/ 17.42H R= 8.7Re	20- 1976/ 50/ 0.67H R= 18.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/ 48/ 0.00H TO 1976/ 50/ 1.00H

HAWKEYE-1

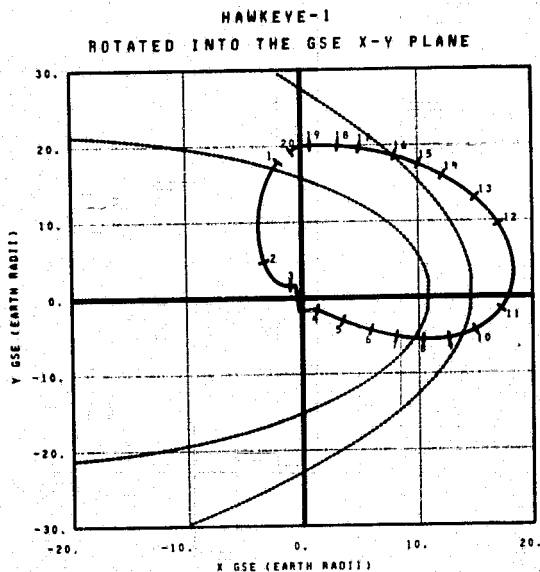
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 48/ 0.50H R= 16.7Re	11- 1976/ 49/ 13.17H R= 1.0Re	15- 1976/ 49/ 16.17H R= 20.2Re
2- 1976/ 48/ 3.17H R= 15.0Re	12- 1976/ 49/ 13.50H R= 1.0Re	16- 1976/ 50/ 0.17H R= 18.9Re
3- 1976/ 48/ 4.50H R= 13.9Re	13- 1976/ 49/ 13.70H R= 1.0Re	
4- 1976/ 48/ 6.17H R= 12.3Re	14- 1976/ 49/ 14.50H R= 5.7Re	
5- 1976/ 48/ 8.50H R= 9.7Re	15- 1976/ 49/ 22.33H R= 14.0Re	
6- 1976/ 48/ 11.17H R= 4.1Re	16- 1976/ 49/ 23.23H R= 14.0Re	
7- 1976/ 48/ 12.17H R= 2.5Re	17- 1976/ 49/ 14.17H R= 20.3Re	

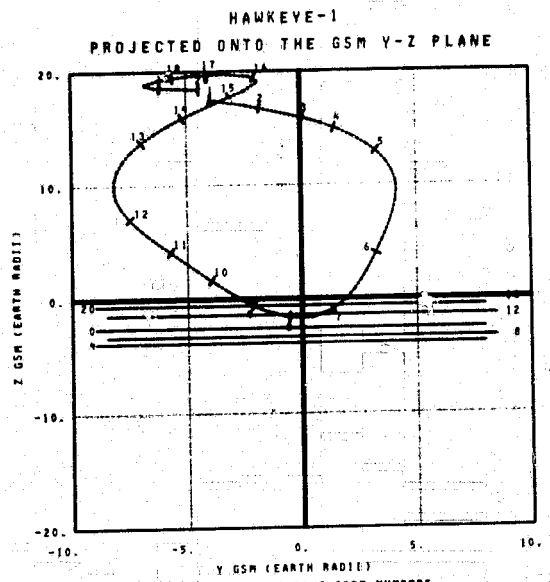
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 48/ 0.00H TO 1976/ 50/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 50/ 1.17H	LAT= 71.2	11- 1976/ 51/ 6.33H	LAT= 77.3
2- 1976/ 50/ 14.25H	LAT= 28.0	12- 1976/ 51/ 12.00H	LAT= 81.4
3- 1976/ 50/ 16.25H	LAT= -49.2	13- 1976/ 51/ 13.93H	LAT= 81.7
4- 1976/ 50/ 16.92H	LAT= -35.1	14- 1976/ 51/ 15.00H	LAT= 81.4
5- 1976/ 50/ 18.17H	LAT= 26.4	15- 1976/ 51/ 16.06H	LAT= 81.4
6- 1976/ 50/ 19.67H	LAT= 46.4	16- 1976/ 51/ 17.00H	LAT= 81.0
7- 1976/ 50/ 21.25H	LAT= 56.4	17- 1976/ 51/ 18.50H	LAT= 80.3
8- 1976/ 50/ 23.17H	LAT= 65.0	18- 1976/ 51/ 19.50H	LAT= 79.6
9- 1976/ 51/ 1.17H	LAT= 69.0	19- 1976/ 51/ 21.00H	LAT= 78.6
10- 1976/ 51/ 3.50H	LAT= 73.4	20- 1976/ 52/ 1.00H	LAT= 79.0

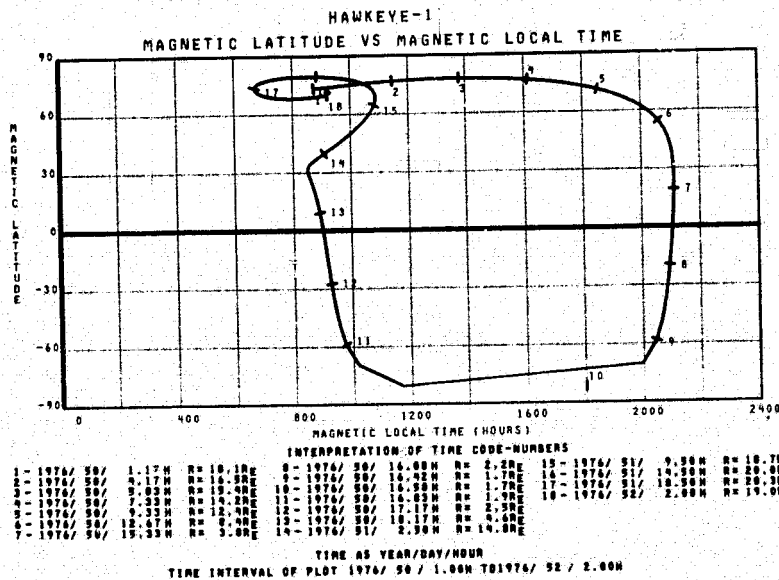
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 50/ 1.00H TO 1976/ 52/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

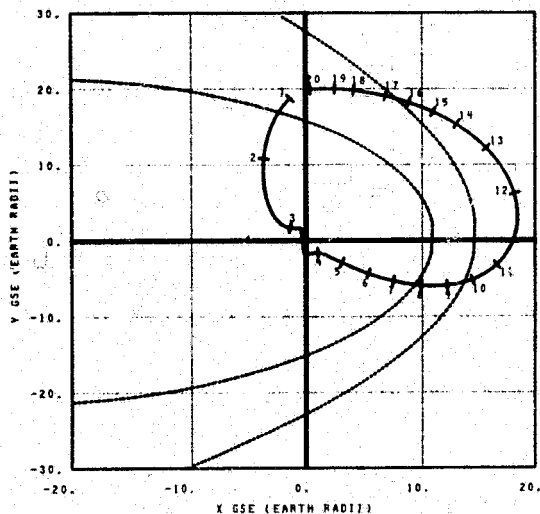
1- 1976/ 50/ 3.17H	R= 10.1RE	11- 1976/ 50/ 20.33H	R= 8.2RE
2- 1976/ 50/ 3.17H	R= 17.1RE	12- 1976/ 50/ 22.67H	R= 11.2RE
3- 1976/ 50/ 4.67H	R= 14.2RE	13- 1976/ 51/ 4.17H	R= 10.0RE
4- 1976/ 50/ 5.03H	R= 15.4RE	14- 1976/ 51/ 6.17H	R= 17.2RE
5- 1976/ 50/ 7.03H	R= 13.0RE	15- 1976/ 51/ 0.50H	R= 10.3RE
6- 1976/ 50/ 14.00H	R= 6.2RE	16- 1976/ 51/ 13.00H	R= 19.7RE
7- 1976/ 50/ 16.17H	R= 2.1RE	17- 1976/ 51/ 16.50H	R= 20.2RE
8- 1976/ 50/ 16.03H	R= 1.7RE	18- 1976/ 51/ 18.50H	R= 20.3RE
9- 1976/ 50/ 17.97H	R= 3.1RE	19- 1976/ 51/ 24.00H	R= 19.6RE
10- 1976/ 50/ 18.67H	R= 5.5RE	20- 1976/ 52/ 2.00H	R= 19.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH R/211
TIME INTERVAL OF PLOT 1976/ 50/ 1.00H TO 1976/ 52/ 2.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 52/ 2.50H	LAT= 73.9	11- 1974/ 53/ 0.83H	LAT= 74.4
2- 1974/ 52/ 15.50H	LAT= 53.4	12- 1974/ 53/ 14.17H	LAT= 81.0
3- 1974/ 52/ 19.33H	LAT= -34.9	13- 1974/ 53/ 16.67H	LAT= 81.7
4- 1974/ 52/ 20.00H	LAT= -51.8	14- 1974/ 53/ 18.17H	LAT= 81.4
5- 1974/ 52/ 21.20H	LAT= 22.1	15- 1974/ 53/ 19.17H	LAT= 81.4
6- 1974/ 52/ 22.67H	LAT= 44.3	16- 1974/ 53/ 20.17H	LAT= 81.1
7- 1974/ 53/ 0.29H	LAT= 55.2	17- 1974/ 53/ 21.17H	LAT= 80.6
8- 1974/ 53/ 2.17H	LAT= 43.0	18- 1974/ 53/ 22.67H	LAT= 79.7
9- 1974/ 53/ 4.17H	LAT= 68.4	19- 1974/ 53/ 23.67H	LAT= 79.0
10- 1974/ 53/ 6.33H	LAT= 72.7	20- 1974/ 54/ 1.17H	LAT= 77.9

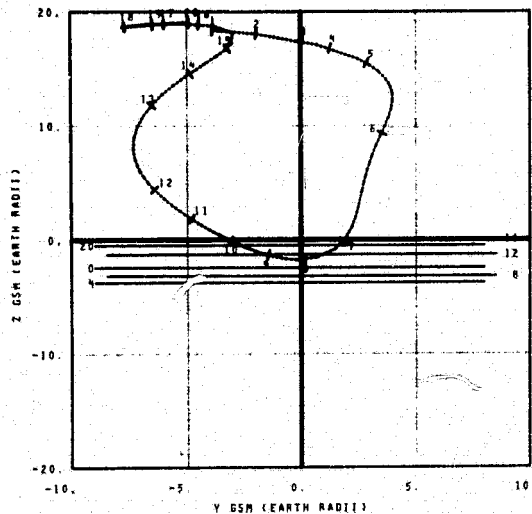
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/ 52/ 2.00H TO 1974/ 54/ 3.00H

HAWKEYE-1

PROJECTED ONTO THE GSM V-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 52/ 2.50H	R= 18.0RE	11- 1974/ 52/ 22.33H	R= 6.3RE
2- 1974/ 52/ 4.00H	R= 18.2RE	12- 1974/ 52/ 24.00H	R= 0.9RE
3- 1974/ 52/ 5.50H	R= 17.5RE	13- 1974/ 53/ 5.00H	R= 14.2RE
4- 1974/ 52/ 6.50H	R= 17.0RE	14- 1974/ 53/ 7.33H	R= 15.9RE
5- 1974/ 52/ 8.17H	R= 16.0RE	15- 1974/ 53/ 10.00H	R= 17.5RE
6- 1974/ 52/ 14.17H	R= 10.4RE	16- 1974/ 53/ 15.47H	R= 19.6RE
7- 1974/ 52/ 19.17H	R= 2.5RE	17- 1974/ 53/ 17.67H	R= 20.0RE
8- 1974/ 52/ 19.42H	R= 1.7RE	18- 1974/ 53/ 20.67H	R= 20.3RE
9- 1974/ 52/ 20.43H	R= 2.6RE	19- 1974/ 54/ 1.17H	R= 20.0RE
10- 1974/ 52/ 21.18H	R= 4.2RE	20- 1974/ 54/ 2.67H	R= 19.7RE

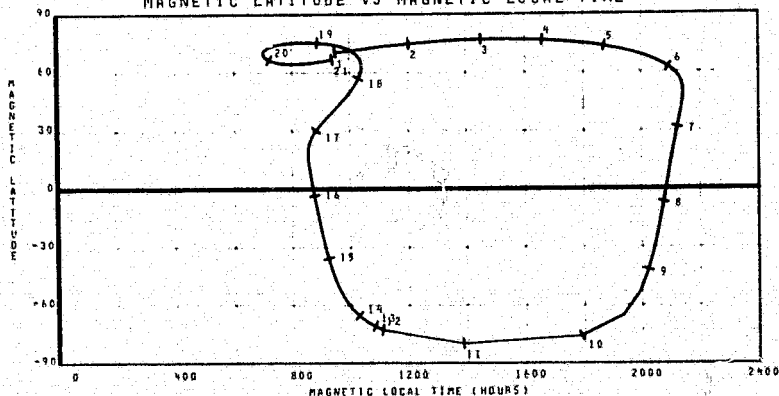
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/ 52/ 2.00H TO 1974/ 54/ 2.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

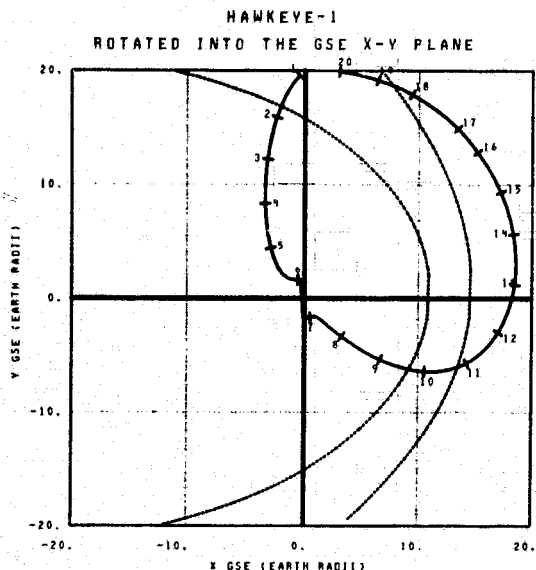


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/ 52/ 2.50H	R= 18.0RE	8- 1974/ 52/ 19.25H	R= 2.3RE	15- 1974/ 52/ 20.43H	R= 2.5RE
2- 1974/ 52/ 4.00H	R= 17.5RE	9- 1974/ 52/ 19.50H	R= 1.0RE	16- 1974/ 52/ 21.20H	R= 4.3RE
3- 1974/ 52/ 5.50H	R= 16.4RE	10- 1974/ 52/ 19.83H	R= 1.7RE	17- 1974/ 53/ 2.17H	R= 11.5RE
4- 1974/ 52/ 6.50H	R= 15.4RE	11- 1974/ 52/ 19.92H	R= 1.7RE	18- 1974/ 53/ 8.67H	R= 16.0RE
5- 1974/ 52/ 10.43H	R= 14.0RE	12- 1974/ 52/ 20.00H	R= 1.0RE	19- 1974/ 53/ 14.17H	R= 19.6RE
6- 1974/ 52/ 14.17H	R= 10.4RE	13- 1974/ 52/ 20.02H	R= 1.0RE	20- 1974/ 53/ 20.67H	R= 20.3RE
7- 1974/ 52/ 18.33H	R= 4.3RE	14- 1974/ 52/ 20.07H	R= 1.9RE	21- 1974/ 54/ 2.67H	R= 19.7RE

TIME AS YEAR/DAY/HOUR

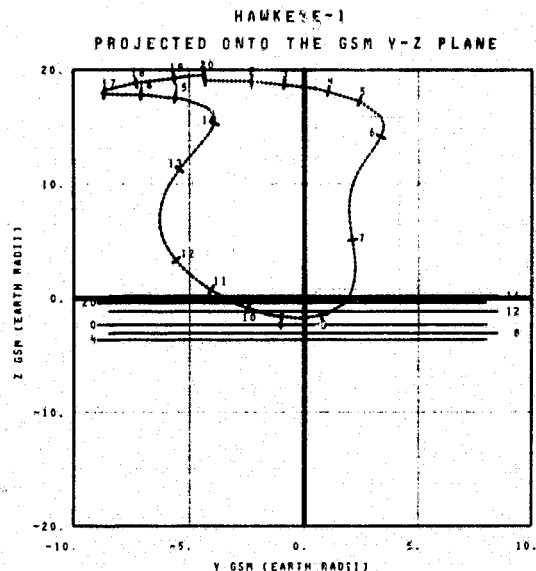
TIME INTERVAL OF PLOT 1974/ 52/ 2.00H TO 1974/ 54/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 54/ 3.17H	LAT= 76.1	11- 1976/ 55/ 9.67H	LAT= 72.8
2- 1976/ 54/ 11.17H	LAT= 66.3	12- 1976/ 55/ 12.03H	LAT= 77.2
3- 1976/ 54/ 15.50H	LAT= 57.3	13- 1976/ 55/ 15.50H	LAT= 79.8
4- 1976/ 54/ 18.67H	LAT= 49.3	14- 1976/ 55/ 17.50H	LAT= 81.9
5- 1976/ 54/ 21.00H	LAT= 24.3	15- 1976/ 55/ 19.00H	LAT= 81.6
6- 1976/ 54/ 22.03H	LAT= -67.6	16- 1976/ 55/ 20.50H	LAT= 81.7
7- 1976/ 54/ 23.00H	LAT= -70.6	17- 1976/ 55/ 21.50H	LAT= 81.6
8- 1976/ 55/ 0.67H	LAT= 27.6	18- 1976/ 55/ 23.50H	LAT= 81.1
9- 1976/ 55/ 3.00H	LAT= 52.5	19- 1976/ 56/ 1.00H	LAT= 80.3
10- 1976/ 55/ 6.17H	LAT= 65.3	20- 1976/ 56/ 3.00H	LAT= 79.0

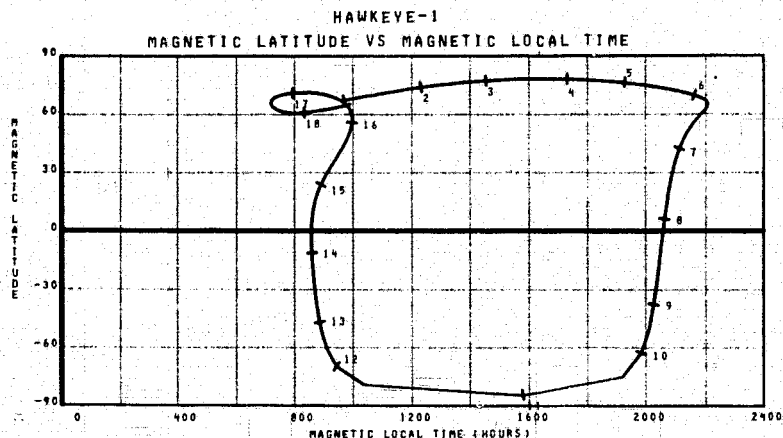
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 54/ 3.00H TO 1976/ 56/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 54/ 3.17H	R= 19.6Re	11- 1976/ 55/ 9.67H	R= 5.2Re
2- 1976/ 54/ 11.17H	R= 19.2Re	12- 1976/ 55/ 12.03H	R= 7.6Re
3- 1976/ 54/ 15.50H	R= 18.0Re	13- 1976/ 55/ 15.50H	R= 13.3Re
4- 1976/ 54/ 18.67H	R= 18.2Re	14- 1976/ 55/ 17.50H	R= 16.3Re
5- 1976/ 54/ 21.00H	R= 17.5Re	15- 1976/ 55/ 19.00H	R= 18.7Re
6- 1976/ 54/ 22.03H	R= 14.0Re	16- 1976/ 55/ 20.50H	R= 19.4Re
7- 1976/ 54/ 23.00H	R= 4.4Re	17- 1976/ 55/ 21.50H	R= 20.0Re
8- 1976/ 55/ 0.67H	R= 1.7Re	18- 1976/ 55/ 23.50H	R= 20.2Re
9- 1976/ 55/ 3.00H	R= 2.3Re	19- 1976/ 56/ 1.00H	R= 20.1Re
10- 1976/ 55/ 6.17H	R= 3.4Re	20- 1976/ 56/ 3.00H	R= 20.0Re

TIME AS YEAR/DAY/HOUR
R IS SEDCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 54/ 3.00H TO 1976/ 56/ 4.00H

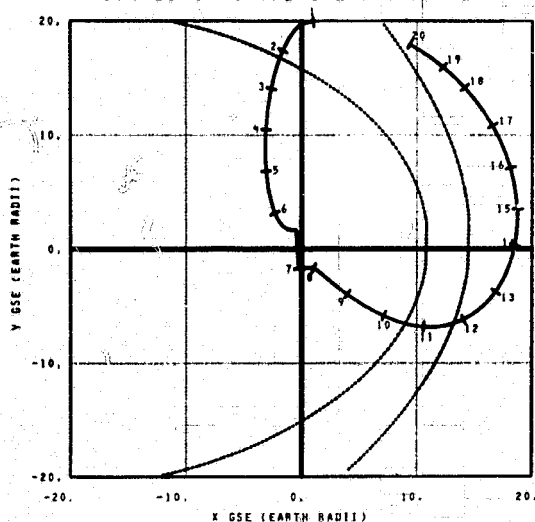


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 54/ 3.17H	R= 19.6Re	11- 1976/ 55/ 9.67H	R= 5.2Re
2- 1976/ 54/ 11.17H	R= 19.2Re	12- 1976/ 55/ 12.03H	R= 7.6Re
3- 1976/ 54/ 15.50H	R= 18.0Re	13- 1976/ 55/ 15.50H	R= 13.3Re
4- 1976/ 54/ 18.67H	R= 18.2Re	14- 1976/ 55/ 17.50H	R= 16.3Re
5- 1976/ 54/ 21.00H	R= 17.5Re	15- 1976/ 55/ 19.00H	R= 18.7Re
6- 1976/ 54/ 22.03H	R= 14.0Re	16- 1976/ 55/ 20.50H	R= 19.4Re
7- 1976/ 54/ 23.00H	R= 4.4Re	17- 1976/ 55/ 21.50H	R= 20.0Re
8- 1976/ 55/ 0.67H	R= 1.7Re	18- 1976/ 55/ 23.50H	R= 20.2Re
9- 1976/ 55/ 3.00H	R= 2.3Re	19- 1976/ 56/ 1.00H	R= 20.1Re
10- 1976/ 55/ 6.17H	R= 3.4Re	20- 1976/ 56/ 3.00H	R= 20.0Re

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 54/ 3.00H TO 1976/ 56/ 4.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

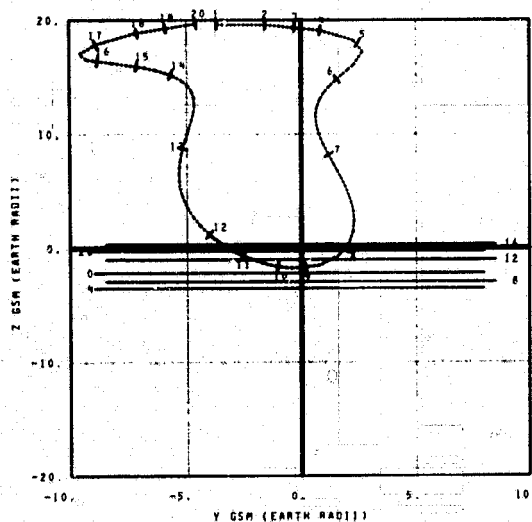
1- 1976/ 56/ 4.50H	LAT= 77.0	11- 1976/ 57/ 9.67H	LAT= 65.9
2- 1976/ 56/ 12.00H	LAT= 69.0	12- 1976/ 57/ 13.00H	LAT= 72.9
3- 1976/ 56/ 16.00H	LAT= 61.0	13- 1976/ 57/ 16.00H	LAT= 77.1
4- 1976/ 56/ 20.33H	LAT= 52.2	14- 1976/ 57/ 18.67H	LAT= 79.7
5- 1976/ 56/ 22.92H	LAT= 38.4	15- 1976/ 57/ 20.17H	LAT= 80.7
6- 1976/ 57/ 0.92H	LAT= 9.4	16- 1976/ 57/ 21.67H	LAT= 81.9
7- 1976/ 57/ 2.17H	LAT= -01.1	17- 1976/ 57/ 23.17H	LAT= 81.7
8- 1976/ 57/ 2.52H	LAT= -41.0	18- 1976/ 58/ 0.67H	LAT= 81.7
9- 1976/ 57/ 4.33H	LAT= 39.1	19- 1976/ 58/ 1.67H	LAT= 81.4
10- 1976/ 57/ 6.67H	LAT= 59.9	20- 1976/ 58/ 3.17H	LAT= 80.9

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 56/ 4.00H TO 1976/ 58/ 5.00H

HAWKEYE-1
PROJECTED ONTO THE GSE Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

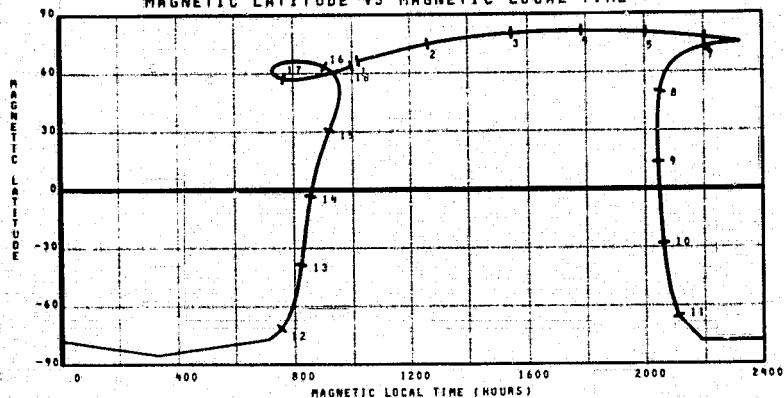
1- 1976/ 56/ 4.50H	R= 20.0R	11- 1976/ 57/ 9.67H	R= 3.4R
2- 1976/ 56/ 12.00H	R= 19.7R	12- 1976/ 57/ 13.00H	R= 5.2R
3- 1976/ 56/ 16.00H	R= 19.4R	13- 1976/ 57/ 16.00H	R= 11.0R
4- 1976/ 56/ 20.33H	R= 19.1R	14- 1976/ 57/ 18.67H	R= 16.7R
5- 1976/ 56/ 22.92H	R= 18.2R	15- 1976/ 57/ 20.17H	R= 17.0R
6- 1976/ 56/ 0.92H	R= 15.1R	16- 1976/ 57/ 21.67H	R= 17.0R
7- 1976/ 56/ 2.17H	R= 8.9R	17- 1976/ 58/ 0.67H	R= 20.1R
8- 1976/ 57/ 2.52H	R= 2.4R	18- 1976/ 58/ 2.67H	R= 20.2R
9- 1976/ 57/ 4.33H	R= 1.7R	19- 1976/ 58/ 3.67H	R= 20.3R
10- 1976/ 57/ 6.67H	R= 2.2R	20- 1976/ 58/ 4.67H	R= 20.3R

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 56/ 4.00H TO 1976/ 58/ 5.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

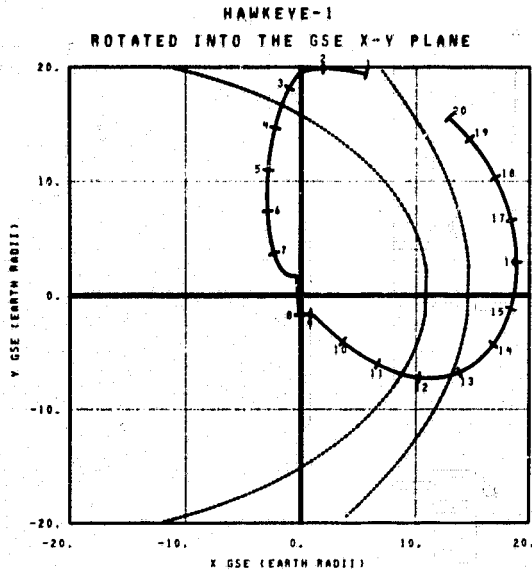


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 56/ 4.50H	R= 20.0R	8- 1976/ 57/ 0.67H	R= 4.5R	15- 1976/ 57/ 6.75H	R= 9.3R
2- 1976/ 56/ 12.00H	R= 19.7R	9- 1976/ 57/ 1.67H	R= 1.8R	16- 1976/ 57/ 12.17H	R= 19.3R
3- 1976/ 56/ 16.00H	R= 19.4R	10- 1976/ 57/ 2.67H	R= 1.8R	17- 1976/ 57/ 22.17H	R= 19.3R
4- 1976/ 56/ 20.33H	R= 19.1R	11- 1976/ 57/ 3.67H	R= 1.7R	18- 1976/ 58/ 0.67H	R= 20.1R
5- 1976/ 56/ 22.92H	R= 18.2R	12- 1976/ 57/ 4.67H	R= 2.4R	19- 1976/ 58/ 2.67H	R= 20.2R
6- 1976/ 56/ 0.92H	R= 15.1R	13- 1976/ 57/ 5.67H	R= 2.4R	20- 1976/ 58/ 4.67H	R= 20.3R
7- 1976/ 56/ 2.17H	R= 8.9R	14- 1976/ 57/ 6.67H	R= 4.0R		

TIME AS YEAR/DAY/HOUR

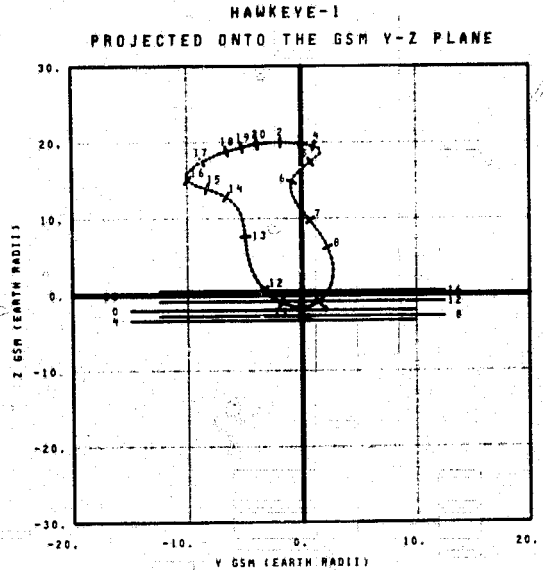
TIME INTERVAL OF PLOT 1976/ 56/ 4.00H TO 1976/ 58/ 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 50/ 5.17H	LAT= 79.8	11-1976/ 59/ 9.75H	LAT= 54.1
2-1976/ 50/ 7.67H	LAT= 77.9	12-1976/ 59/ 12.03H	LAT= 45.7
3-1976/ 50/ 13.67H	LAT= 71.9	13-1976/ 59/ 16.17H	LAT= 72.0
4-1976/ 50/ 19.33H	LAT= 63.2	14-1976/ 59/ 19.33H	LAT= 77.2
5-1976/ 50/ 23.17H	LAT= 53.7	15-1976/ 59/ 21.50H	LAT= 79.3
6-1976/ 59/ 1.03H	LAT= 48.9	16-1976/ 59/ 23.50H	LAT= 80.7
7-1976/ 59/ 3.92H	LAT= 35.2	17-1976/ 60/ 1.00H	LAT= 81.9
8-1976/ 59/ 5.42H	LAT= 21.3	18-1976/ 60/ 2.50H	LAT= 81.7
9-1976/ 59/ 5.67H	LAT= 50.2	19-1976/ 60/ 4.00H	LAT= 81.6
10-1976/ 59/ 7.50H	LAT= 34.3	20-1976/ 60/ 5.00H	LAT= 81.4

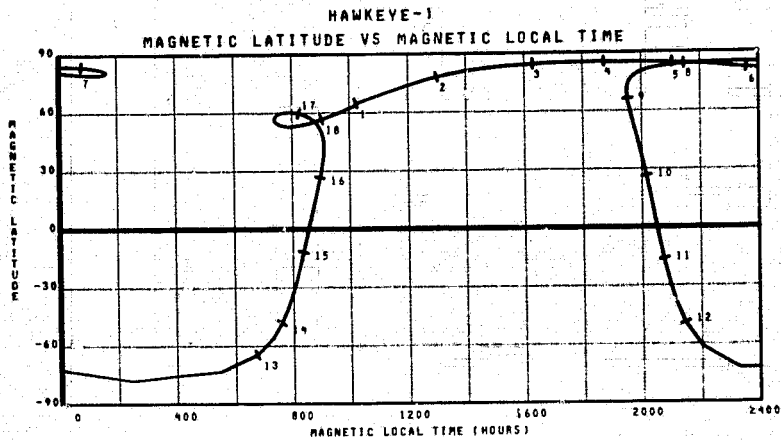
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 50/ 5.00H TO 1976/ 60/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 50/ 5.17H	R= 20.2RE	11-1976/ 59/ 6.00H	R= 2.6RE
2-1976/ 50/ 6.47H	R= 20.1RE	12-1976/ 59/ 6.05H	R= 4.2RE
3-1976/ 50/ 8.17H	R= 19.9RE	13-1976/ 59/ 10.50H	R= 10.0RE
4-1976/ 50/ 9.67H	R= 19.4RE	14-1976/ 59/ 19.67H	R= 15.0RE
5-1976/ 50/ 15.17H	R= 17.5RE	15-1976/ 59/ 19.17H	R= 16.7RE
6-1976/ 50/ 19.17H	R= 15.0RE	16-1976/ 59/ 21.50H	R= 18.3RE
7-1976/ 59/ 0.17H	R= 10.3RE	17-1976/ 60/ 2.00H	R= 19.7RE
8-1976/ 59/ 2.33H	R= 7.8RE	18-1976/ 60/ 4.00H	R= 20.1RE
9-1976/ 59/ 5.00H	R= 2.0RE	19-1976/ 60/ 5.00H	R= 20.2RE
10-1976/ 59/ 5.50H	R= 1.0RE	20-1976/ 60/ 6.00H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 50/ 5.00H TO 1976/ 60/ 6.00H



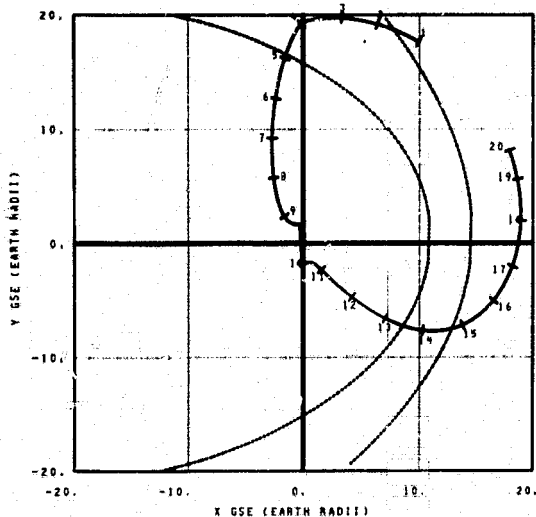
INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 50/ 5.17H	R= 20.2RE	11-1976/ 59/ 6.00H	R= 2.6RE
2-1976/ 50/ 6.47H	R= 20.1RE	12-1976/ 59/ 6.05H	R= 4.2RE
3-1976/ 50/ 8.17H	R= 19.9RE	13-1976/ 59/ 10.50H	R= 10.0RE
4-1976/ 50/ 9.67H	R= 19.4RE	14-1976/ 59/ 19.67H	R= 15.0RE
5-1976/ 50/ 15.17H	R= 17.5RE	15-1976/ 59/ 19.17H	R= 16.7RE
6-1976/ 50/ 19.17H	R= 15.0RE	16-1976/ 59/ 21.50H	R= 18.3RE
7-1976/ 50/ 0.17H	R= 10.3RE	17-1976/ 60/ 2.00H	R= 19.7RE
8-1976/ 59/ 2.33H	R= 7.8RE	18-1976/ 60/ 4.00H	R= 20.1RE
9-1976/ 59/ 5.00H	R= 2.0RE	19-1976/ 60/ 5.00H	R= 20.2RE
10-1976/ 59/ 5.50H	R= 1.0RE	20-1976/ 60/ 6.00H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 50/ 5.00H TO 1976/ 60/ 6.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 60/ 6.50H	LAT= 80.9	11- 1976/ 61/ 9.30H	LAT= -9.4
2- 1976/ 60/ 6.50H	LAT= 79.7	12- 1976/ 61/ 11.17H	LAT= 40.1
3- 1976/ 60/ 10.50H	LAT= 78.3	13- 1976/ 61/ 13.42H	LAT= 56.3
4- 1976/ 60/ 14.00H	LAT= 75.1	14- 1976/ 61/ 16.33H	LAT= 46.4
5- 1976/ 60/ 20.50H	LAT= 67.0	15- 1976/ 61/ 19.67H	LAT= 73.2
6- 1976/ 61/ 0.03H	LAT= 98.3	16- 1976/ 61/ 22.50H	LAT= 77.1
7- 1976/ 61/ 3.03H	LAT= 96.0	17- 1976/ 62/ 0.67H	LAT= 79.2
8- 1976/ 61/ 6.00H	LAT= 92.0	18- 1976/ 62/ 3.67H	LAT= 88.7
9- 1976/ 61/ 7.03H	LAT= -9.0	19- 1976/ 62/ 4.17H	LAT= 81.3
10- 1976/ 61/ 0.67H	LAT= -79.1	20- 1976/ 62/ 9.17H	LAT= 81.4

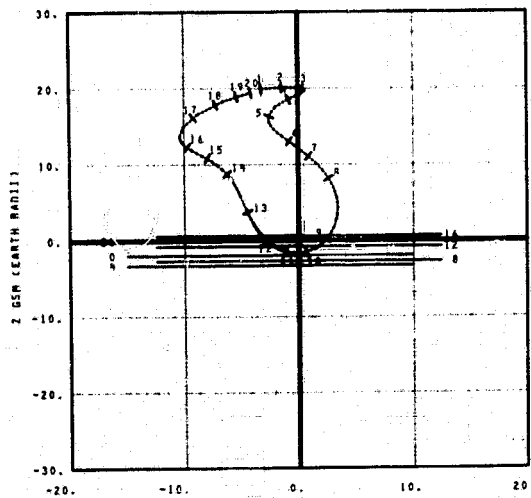
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 60/ 6.00H TO 1976/ 62/ 7.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 60/ 6.50H	R= 20.3R _E	11- 1976/ 61/ 9.00H	R= 2.0R _E
2- 1976/ 60/ 6.50H	R= 20.2R _E	12- 1976/ 61/ 9.65H	R= 3.3R _E
3- 1976/ 60/ 10.50H	R= 20.0R _E	13- 1976/ 61/ 11.42H	R= 6.7R _E
4- 1976/ 60/ 14.00H	R= 18.6R _E	14- 1976/ 61/ 15.00H	R= 11.9R _E
5- 1976/ 60/ 20.50H	R= 16.4R _E	15- 1976/ 61/ 17.07H	R= 14.0R _E
6- 1976/ 61/ 0.50H	R= 13.3R _E	16- 1976/ 61/ 20.50H	R= 16.1R _E
7- 1976/ 61/ 2.33H	R= 11.4R _E	17- 1976/ 62/ 2.17H	R= 10.9R _E
8- 1976/ 61/ 4.33H	R= 9.0R _E	18- 1976/ 62/ 4.17H	R= 19.9R _E
9- 1976/ 61/ 7.03H	R= 3.9R _E	19- 1976/ 62/ 5.67H	R= 19.0R _E
10- 1976/ 61/ 0.50H	R= 1.0R _E	20- 1976/ 62/ 6.67H	R= 20.0R _E

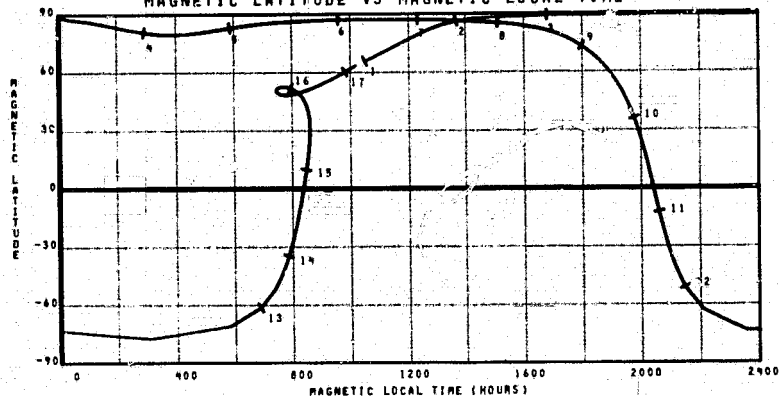
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 60/ 6.00H TO 1976/ 62/ 7.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

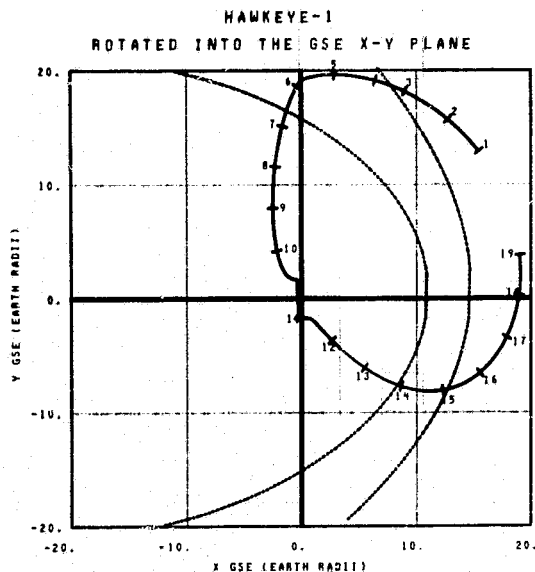


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 60/ 6.50H	R= 20.3R _E	8- 1976/ 61/ 2.17H	R= 11.0R _E	15- 1976/ 61/ 10.17H	R= 4.0R _E
2- 1976/ 60/ 15.50H	R= 19.9R _E	9- 1976/ 61/ 4.33H	R= 9.0R _E	16- 1976/ 61/ 19.33H	R= 11.0R _E
3- 1976/ 60/ 18.00H	R= 17.7R _E	10- 1976/ 61/ 7.17H	R= 4.3R _E	17- 1976/ 62/ 9.67H	R= 19.0R _E
4- 1976/ 60/ 20.50H	R= 16.4R _E	11- 1976/ 61/ 8.17H	R= 3.2R _E		
5- 1976/ 60/ 22.00H	R= 15.0R _E	12- 1976/ 61/ 9.00H	R= 2.0R _E		
6- 1976/ 61/ 1.00H	R= 13.3R _E	13- 1976/ 61/ 9.65H	R= 3.3R _E		
7- 1976/ 61/ 1.50H	R= 12.0R _E	14- 1976/ 61/ 11.42H	R= 6.7R _E		
		15- 1976/ 61/ 15.00H	R= 11.9R _E		
		16- 1976/ 61/ 17.07H	R= 14.0R _E		
		17- 1976/ 61/ 20.50H	R= 16.1R _E		
		18- 1976/ 62/ 2.17H	R= 10.9R _E		
		19- 1976/ 62/ 4.17H	R= 19.9R _E		
		20- 1976/ 62/ 5.67H	R= 19.0R _E		

TIME AS YEAR/DAY/HOUR

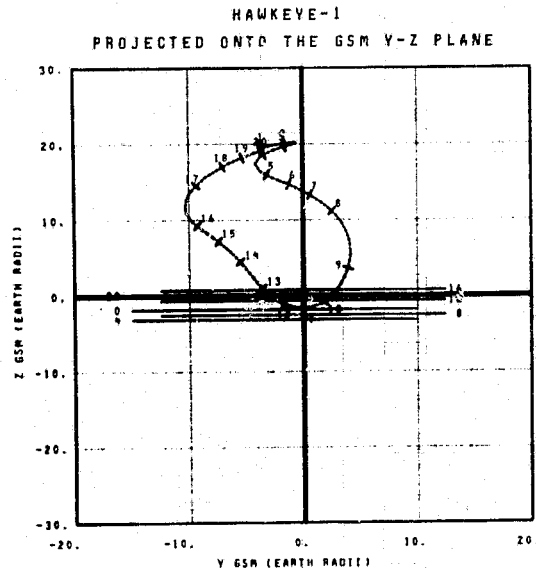
TIME INTERVAL OF PLOT 1976/ 60/ 6.00H TO 1976/ 62/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 62/ 7.17H	LAT= 81.6	11- 1976/ 63/ 11.03H	LAT= -81.7
2- 1976/ 62/ 8.67H	LAT= 81.3	12- 1976/ 63/ 13.43H	LAT= 25.2
3- 1976/ 62/ 10.67H	LAT= 80.4	13- 1976/ 63/ 15.38H	LAT= 58.4
4- 1976/ 62/ 12.17H	LAT= 79.5	14- 1976/ 63/ 18.33H	LAT= 62.9
5- 1976/ 62/ 14.67H	LAT= 77.5	15- 1976/ 63/ 21.67H	LAT= 71.0
6- 1976/ 62/ 19.17H	LAT= 73.1	16- 1976/ 64/ 0.03H	LAT= 75.9
7- 1976/ 63/ 1.33H	LAT= 64.3	17- 1976/ 64/ 3.58H	LAT= 78.9
8- 1976/ 63/ 5.17H	LAT= 59.2	18- 1976/ 64/ 5.58H	LAT= 80.4
9- 1976/ 63/ 8.08H	LAT= 42.8	19- 1976/ 64/ 7.06H	LAT= 81.2
10- 1976/ 63/ 10.17H	LAT= 19.3		

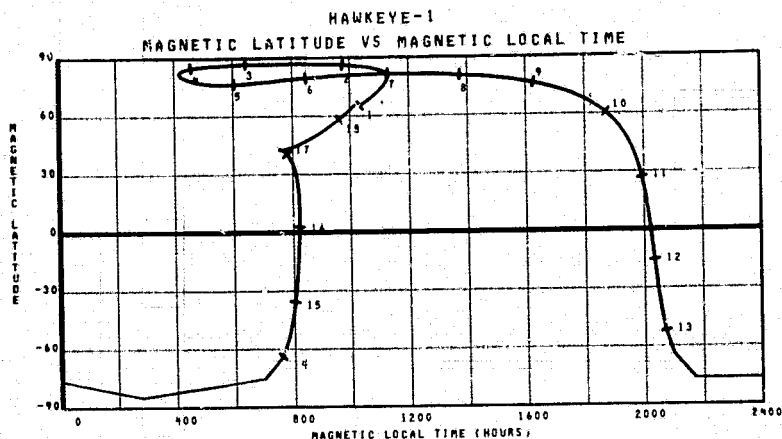
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 62/ 7.00H TO 1976/ 64/ 8.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 62/ 7.17H	R= 20.1R _E	11- 1976/ 63/ 11.02H	R= 1.7R _E
2- 1976/ 62/ 9.17H	R= 20.2R _E	12- 1976/ 63/ 12.42H	R= 2.9R _E
3- 1976/ 62/ 10.17H	R= 19.0R _E	13- 1976/ 63/ 13.40H	R= 4.9R _E
4- 1976/ 62/ 10.17H	R= 19.0R _E	14- 1976/ 63/ 15.47H	R= 7.9R _E
5- 1976/ 62/ 23.67H	R= 16.3R _E	15- 1976/ 63/ 17.03H	R= 11.0R _E
6- 1976/ 63/ 1.03H	R= 14.8R _E	16- 1976/ 63/ 20.53H	R= 13.7R _E
7- 1976/ 63/ 3.58H	R= 13.5R _E	17- 1976/ 64/ 2.50H	R= 17.7R _E
8- 1976/ 63/ 5.33H	R= 11.7R _E	18- 1976/ 64/ 5.00H	R= 18.0R _E
9- 1976/ 63/ 9.58H	R= 5.0R _E	19- 1976/ 64/ 6.58H	R= 19.3R _E
10- 1976/ 63/ 11.33H	R= 2.3R _E	20- 1976/ 64/ 8.06H	R= 15.6R _E

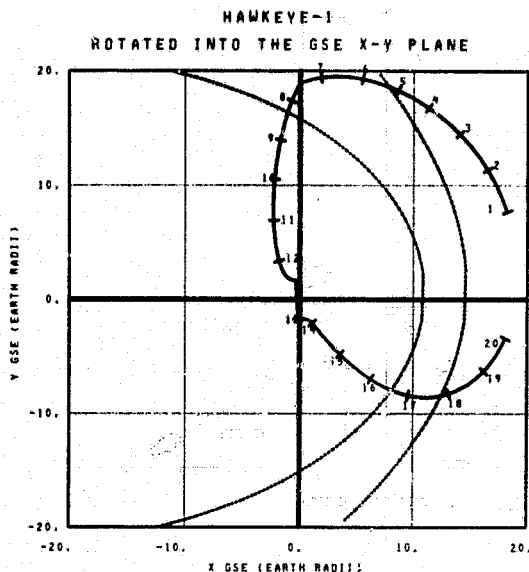
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 62/ 7.00H TO 1976/ 64/ 8.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 62/ 7.17H	R= 20.1R _E	8- 1976/ 63/ 5.03H	R= 13.2R _E	15- 1976/ 63/ 12.33H	R= 2.8R _E
2- 1976/ 62/ 13.17H	R= 20.1R _E	9- 1976/ 63/ 9.33H	R= 11.7R _E	16- 1976/ 63/ 13.00H	R= 3.6R _E
3- 1976/ 62/ 15.17H	R= 19.0R _E	10- 1976/ 63/ 8.00H	R= 8.4R _E	17- 1976/ 63/ 16.33H	R= 9.8R _E
4- 1976/ 62/ 19.17H	R= 17.0R _E	11- 1976/ 63/ 10.42H	R= 4.3R _E	18- 1976/ 64/ 6.00H	R= 19.1R _E
5- 1976/ 62/ 21.67H	R= 17.0R _E	12- 1976/ 63/ 11.33H	R= 2.3R _E		
6- 1976/ 63/ 3.58H	R= 15.6R _E	13- 1976/ 63/ 11.67H	R= 1.0R _E		
7- 1976/ 63/ 5.47H	R= 14.2R _E	14- 1976/ 63/ 12.00H	R= 1.0R _E		

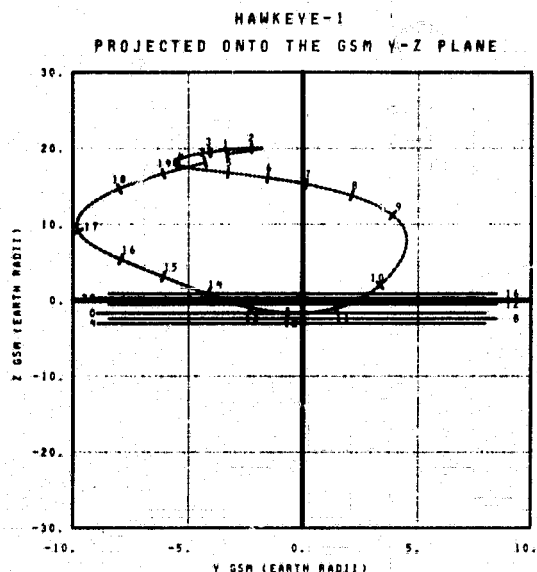
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 62/ 7.00H TO 1976/ 64/ 8.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 64/ 0.50H LAT= 01.6	11- 1976/ 65/ 11.42H LAT= 37.0
2- 1976/ 64/ 10.00H LAT= 01.7	12- 1976/ 65/ 13.03H LAT= 6.3
3- 1976/ 64/ 11.50H LAT= 01.4	13- 1976/ 65/ 15.00H LAT= -00.5
4- 1976/ 64/ 13.00H LAT= 00.9	14- 1976/ 65/ 15.60H LAT= -20.1
5- 1976/ 64/ 14.50H LAT= 00.1	15- 1976/ 65/ 17.92H LAT= 37.9
6- 1976/ 64/ 16.50H LAT= 70.7	16- 1976/ 65/ 19.67H LAT= 55.3
7- 1976/ 64/ 19.50H LAT= 76.1	17- 1976/ 65/ 22.67H LAT= 66.0
8- 1976/ 65/ 1.00H LAT= 69.9	18- 1976/ 66/ 2.00H LAT= 72.9
9- 1976/ 65/ 6.00H LAT= 61.4	19- 1976/ 66/ 5.00H LAT= 77.3
10- 1976/ 65/ 9.33H LAT= 52.0	20- 1976/ 66/ 7.17H LAT= 79.2

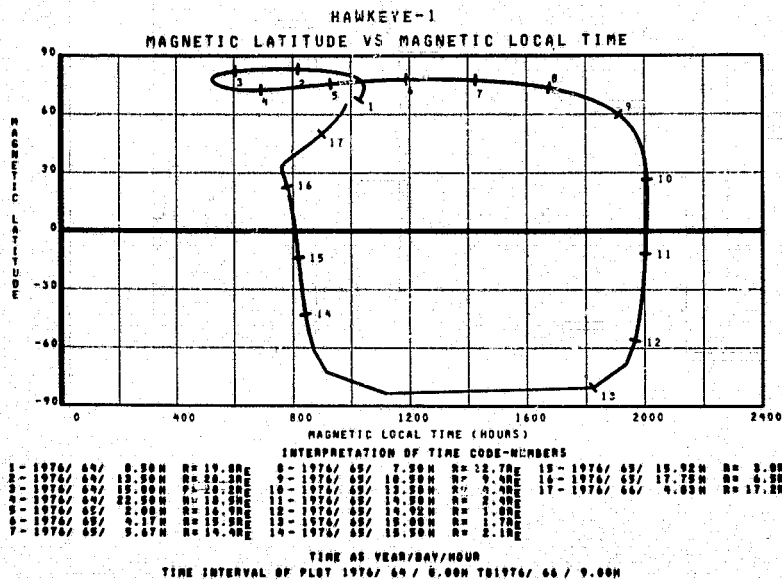
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 64/ 0.00H TO 1976/ 66/ 9.00H

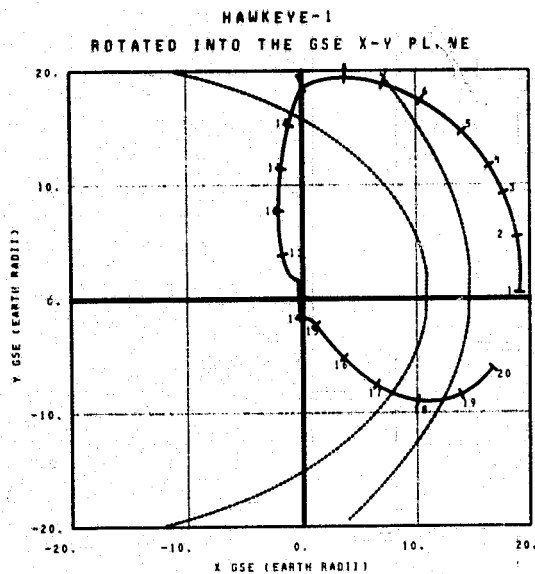


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 64/ 0.50H R= 19.0RE	11- 1976/ 65/ 11.75H R= 2.0RE
2- 1976/ 64/ 10.00H R= 20.30R	12- 1976/ 65/ 15.33H R= 1.9RE
3- 1976/ 64/ 11.00H R= 20.00R	13- 1976/ 65/ 15.07H R= 2.9RE
4- 1976/ 64/ 22.50H R= 18.50R	14- 1976/ 65/ 16.05H R= 4.9RE
5- 1976/ 65/ 1.50H R= 17.20R	15- 1976/ 65/ 18.92H R= 7.6RE
6- 1976/ 65/ 8.00H R= 16.30R	16- 1976/ 65/ 20.40H R= 10.30R
7- 1976/ 65/ 4.33H R= 15.40R	17- 1976/ 65/ 24.00H R= 13.90R
8- 1976/ 65/ 6.00H R= 14.10R	18- 1976/ 66/ 4.67H R= 17.20R
9- 1976/ 65/ 0.17H R= 12.10R	19- 1976/ 66/ 6.67H R= 10.10R
10- 1976/ 65/ 13.90H R= 4.40R	20- 1976/ 66/ 8.67H R= 10.40R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 64/ 0.00H TO 1976/ 66/ 9.00H

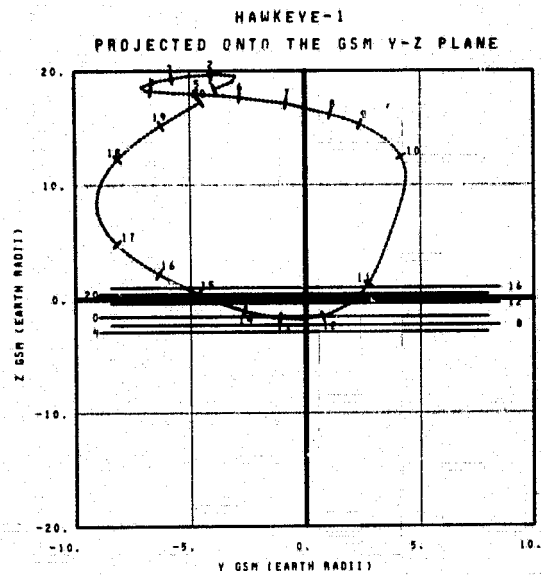




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 66/ 9.17H	LAT= 80.6	11- 1976/ 67/ 11.83H	LAT= 54.4
2- 1976/ 66/ 11.17H	LAT= 81.5	12- 1976/ 67/ 14.67H	LAT= 41.9
3- 1976/ 66/ 12.67H	LAT= 81.7	13- 1976/ 67/ 16.83H	LAT= 14.2
4- 1976/ 66/ 15.67H	LAT= 81.4	14- 1976/ 67/ 18.25H	LAT= -81.1
5- 1976/ 66/ 15.17H	LAT= 61.3	15- 1976/ 67/ 18.92H	LAT= -12.4
6- 1976/ 66/ 17.17H	LAT= 80.4	16- 1976/ 67/ 20.03H	LAT= 40.2
7- 1976/ 66/ 19.17H	LAT= 79.1	17- 1976/ 67/ 23.33H	LAT= 57.4
8- 1976/ 66/ 21.67H	LAT= 77.1	18- 1976/ 68/ 2.67H	LAT= 67.9
9- 1976/ 67/ 1.07H	LAT= 73.1	19- 1976/ 68/ 4.17H	LAT= 75.3
10- 1976/ 67/ 7.57H	LAT= 64.6	20- 1976/ 68/ 9.00H	LAT= 77.9

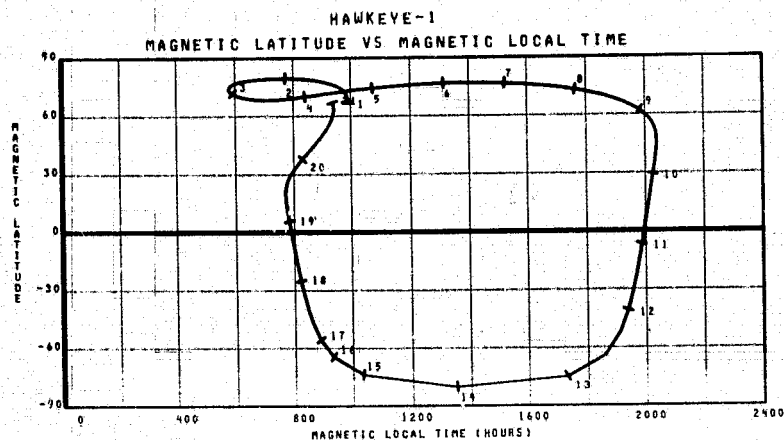
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 66/ 9.00H TO 1976/ 68/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 66/ 9.17H	R= 19.1RE	11- 1976/ 67/ 17.25H	R= 3.4RE
2- 1976/ 66/ 11.17H	R= 20.2RE	12- 1976/ 67/ 18.25H	R= 1.7RE
3- 1976/ 66/ 17.67H	R= 19.4RE	13- 1976/ 67/ 18.75H	R= 2.2RE
4- 1976/ 66/ 23.17H	R= 19.4RE	14- 1976/ 67/ 19.28H	R= 3.3RE
5- 1976/ 67/ 1.67H	R= 18.4RE	15- 1976/ 67/ 20.25H	R= 5.2RE
6- 1976/ 67/ 3.17H	R= 17.9RE	16- 1976/ 67/ 21.98H	R= 7.4RE
7- 1976/ 67/ 4.67H	R= 17.2RE	17- 1976/ 67/ 23.98H	R= 19.1RE
8- 1976/ 67/ 6.17H	R= 16.3RE	18- 1976/ 68/ 0.03H	R= 15.2RE
9- 1976/ 67/ 7.33H	R= 15.5RE	19- 1976/ 68/ 7.33H	R= 16.0RE
10- 1976/ 67/ 10.17H	R= 13.2RE	20- 1976/ 68/ 10.00H	R= 18.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 66/ 9.00H TO 1976/ 68/10.00H

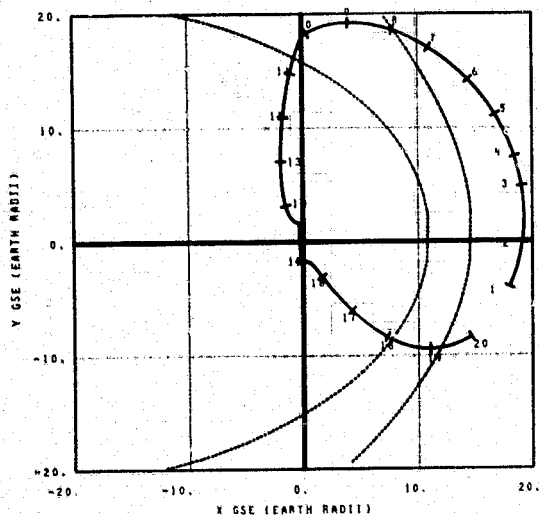


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 66/ 9.17H	R= 19.1RE	11- 1976/ 67/ 17.25H	R= 3.4RE
2- 1976/ 66/ 11.17H	R= 20.2RE	12- 1976/ 67/ 18.25H	R= 1.7RE
3- 1976/ 66/ 17.67H	R= 19.4RE	13- 1976/ 67/ 18.75H	R= 2.2RE
4- 1976/ 66/ 23.17H	R= 19.4RE	14- 1976/ 67/ 19.28H	R= 3.3RE
5- 1976/ 67/ 1.67H	R= 18.4RE	15- 1976/ 67/ 20.25H	R= 5.2RE
6- 1976/ 67/ 3.17H	R= 17.9RE	16- 1976/ 67/ 21.98H	R= 7.4RE
7- 1976/ 67/ 4.67H	R= 17.2RE	17- 1976/ 67/ 23.98H	R= 19.1RE
8- 1976/ 67/ 6.17H	R= 16.3RE	18- 1976/ 68/ 0.03H	R= 15.2RE
9- 1976/ 67/ 7.33H	R= 15.5RE	19- 1976/ 68/ 7.33H	R= 16.0RE
10- 1976/ 67/ 10.17H	R= 13.2RE	20- 1976/ 68/ 10.00H	R= 18.2RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 66/ 9.00H TO 1976/ 68/10.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

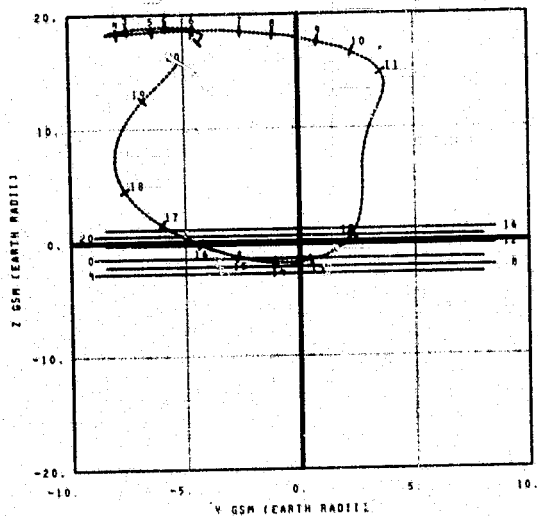


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 68/ 10.50H	LAT= 79.3	11 - 1976/ 69/ 11.50H	LAT= 63.5
2 - 1976/ 68/ 12.50H	LAT= 80.7	12 - 1976/ 69/ 13.50H	LAT= 53.1
3 - 1976/ 68/ 14.50H	LAT= 81.5	13 - 1976/ 69/ 15.50H	LAT= 38.1
4 - 1976/ 68/ 16.50H	LAT= 81.7	14 - 1976/ 69/ 17.50H	LAT= 3.9
5 - 1976/ 68/ 18.50H	LAT= 81.6	15 - 1976/ 69/ 19.50H	LAT= -81.9
6 - 1976/ 68/ 20.50H	LAT= 81.3	16 - 1976/ 69/ 21.50H	LAT= -10.1
7 - 1976/ 68/ 22.50H	LAT= 80.9	17 - 1976/ 70/ 0.47H	LAT= 46.1
8 - 1976/ 68/ 24.50H	LAT= 79.1	18 - 1976/ 70/ 2.50H	LAT= 61.1
9 - 1976/ 69/ 1.50H	LAT= 76.6	19 - 1976/ 70/ 4.50H	LAT= 76.5
10 - 1976/ 69/ 3.50H	LAT= 72.5	20 - 1976/ 70/ 6.50H	LAT= 75.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 68/10.00H TO 1976/ 70/11.00H

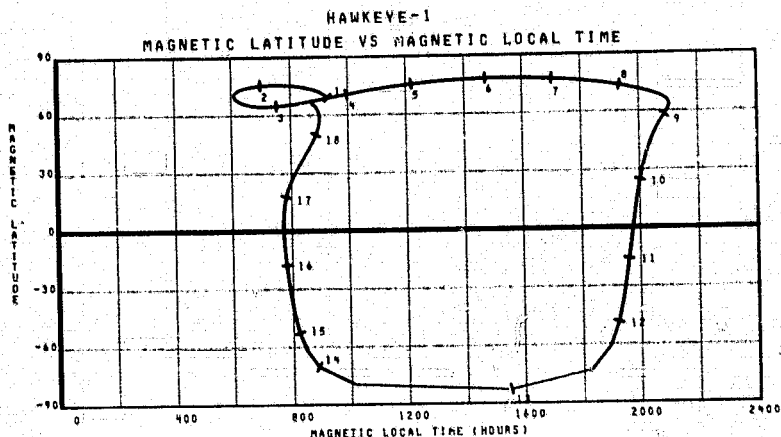
HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 68/ 10.50H	R= 10.4RE	11 - 1976/ 69/ 11.50H	R= 15.3RE
2 - 1976/ 68/ 12.50H	R= 20.0RE	12 - 1976/ 69/ 13.50H	R= 2.6RE
3 - 1976/ 68/ 14.50H	R= 20.2RE	13 - 1976/ 69/ 15.50H	R= 1.7RE
4 - 1976/ 68/ 16.50H	R= 20.0RE	14 - 1976/ 69/ 17.50H	R= 2.3RE
5 - 1976/ 68/ 18.50H	R= 19.4RE	15 - 1976/ 69/ 19.50H	R= 3.3RE
6 - 1976/ 68/ 20.50H	R= 19.2RE	16 - 1976/ 69/ 21.50H	R= 4.0RE
7 - 1976/ 68/ 22.50H	R= 18.7RE	17 - 1976/ 70/ 0.47H	R= 6.0RE
8 - 1976/ 68/ 24.50H	R= 18.3RE	18 - 1976/ 70/ 2.50H	R= 9.9RE
9 - 1976/ 69/ 1.50H	R= 17.6RE	19 - 1976/ 70/ 4.50H	R= 14.7RE
10 - 1976/ 69/ 3.50H	R= 16.0RE	20 - 1976/ 70/ 6.50H	R= 17.1RE

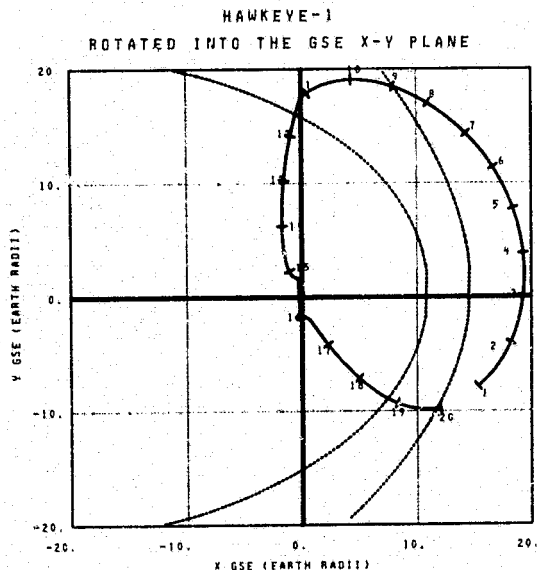
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 68/10.00H TO 1976/ 70/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 68/ 10.50H	R= 10.4RE	11 - 1976/ 69/ 11.50H	R= 15.3RE
2 - 1976/ 68/ 12.50H	R= 20.0RE	12 - 1976/ 69/ 13.50H	R= 2.6RE
3 - 1976/ 68/ 14.50H	R= 20.2RE	13 - 1976/ 69/ 15.50H	R= 1.7RE
4 - 1976/ 68/ 16.50H	R= 20.0RE	14 - 1976/ 69/ 17.50H	R= 2.3RE
5 - 1976/ 68/ 18.50H	R= 19.4RE	15 - 1976/ 69/ 19.50H	R= 3.3RE
6 - 1976/ 68/ 20.50H	R= 19.2RE	16 - 1976/ 69/ 21.50H	R= 4.0RE
7 - 1976/ 68/ 22.50H	R= 18.7RE	17 - 1976/ 70/ 0.47H	R= 6.0RE
8 - 1976/ 68/ 24.50H	R= 18.3RE	18 - 1976/ 70/ 2.50H	R= 9.9RE
9 - 1976/ 69/ 1.50H	R= 17.6RE	19 - 1976/ 70/ 4.50H	R= 14.7RE
10 - 1976/ 69/ 3.50H	R= 16.0RE	20 - 1976/ 70/ 6.50H	R= 17.1RE

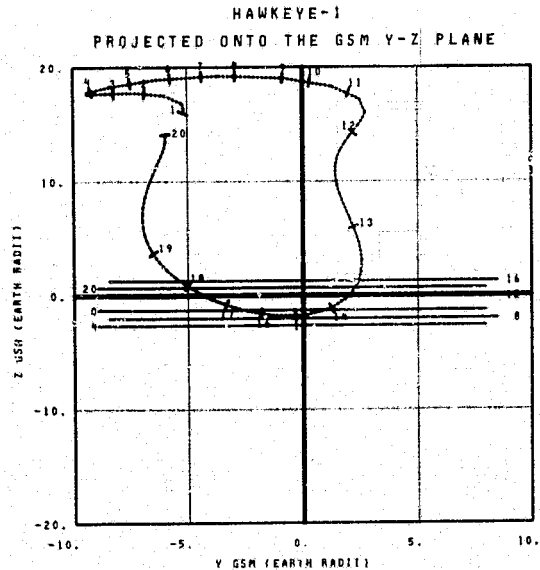
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 68/10.00H TO 1976/ 70/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 70/ 11.17M	LAT= 76.6	11 - 1976/ 71/ 9.67M	LAT= 71.4
2 - 1976/ 70/ 14.17M	LAT= 79.6	12 - 1976/ 71/ 15.50M	LAT= 62.0
3 - 1976/ 70/ 16.17M	LAT= 80.9	13 - 1976/ 71/ 19.33M	LAT= 50.9
4 - 1976/ 70/ 17.47M	LAT= 81.5	14 - 1976/ 71/ 22.08M	LAT= 33.2
5 - 1976/ 70/ 19.17M	LAT= 81.7	15 - 1976/ 72/ 0.00M	LAT= -10.7
6 - 1976/ 70/ 20.67M	LAT= 81.6	16 - 1976/ 72/ 0.75M	LAT= -70.9
7 - 1976/ 70/ 22.17M	LAT= 81.2	17 - 1976/ 72/ 2.38M	LAT= 24.8
8 - 1976/ 71/ 0.17M	LAT= 80.2	18 - 1976/ 72/ 4.75M	LAT= 52.1
9 - 1976/ 71/ 2.17M	LAT= 78.9	19 - 1976/ 72/ 6.00M	LAT= 65.0
10 - 1976/ 71/ 5.17M	LAT= 74.3	20 - 1976/ 72/ 11.67M	LAT= 72.0

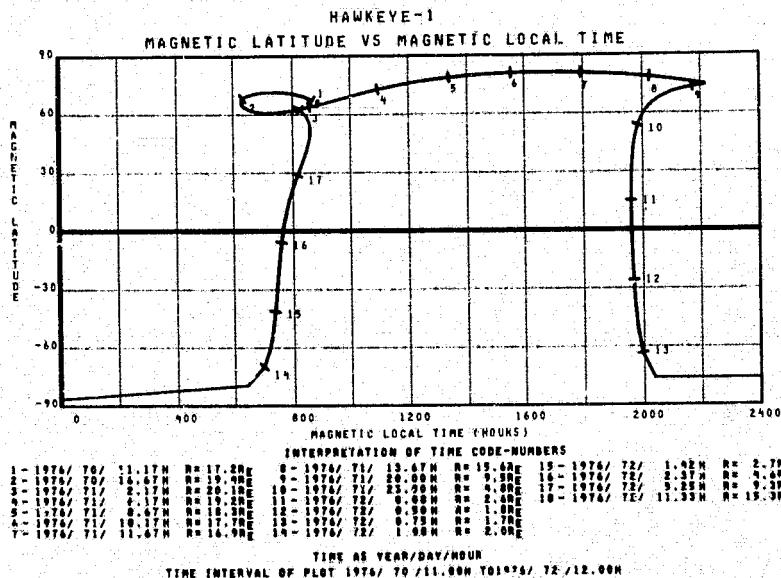
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 70/11.00H TO 1976/ 72/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

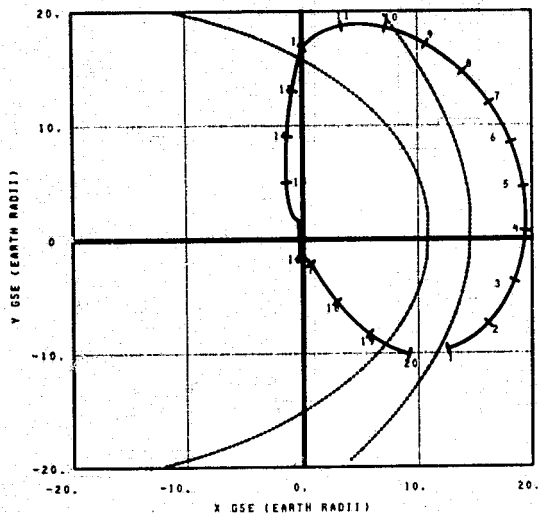
1 - 1976/ 70/ 11.17M	R= 17.2R _E	11 - 1976/ 71/ 9.67M	R= 17.9R _E
2 - 1976/ 70/ 14.17M	R= 19.3R _E	12 - 1976/ 71/ 15.17M	R= 14.5R _E
3 - 1976/ 70/ 16.17M	R= 19.8R _E	13 - 1976/ 71/ 22.08M	R= 6.6R _E
4 - 1976/ 70/ 23.17M	R= 20.3R _E	14 - 1976/ 72/ 0.00M	R= 1.0R _E
5 - 1976/ 71/ 1.67M	R= 20.1R _E	15 - 1976/ 72/ 1.00M	R= 1.9R _E
6 - 1976/ 71/ 3.17M	R= 19.9R _E	16 - 1976/ 72/ 1.92M	R= 2.7R _E
7 - 1976/ 71/ 9.17M	R= 19.7R _E	17 - 1976/ 72/ 1.95M	R= 3.0R _E
8 - 1976/ 71/ 9.17M	R= 19.5R _E	18 - 1976/ 72/ 2.03M	R= 5.5R _E
9 - 1976/ 71/ 6.67M	R= 18.1R _E	19 - 1976/ 72/ 4.33M	R= 8.0R _E
10 - 1976/ 71/ 7.67M	R= 18.7R _E	20 - 1976/ 72/ 12.00M	R= 15.7R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 70/11.00H TO 1976/ 72/12.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 72/ 12.17H	LAT= 73.6	11- 1976/ 73/ 10.00H	LAT= 74.8
2- 1976/ 72/ 15.50H	LAT= 77.8	12- 1976/ 73/ 15.00H	LAT= 68.4
3- 1976/ 72/ 18.00H	LAT= 80.0	13- 1976/ 73/ 20.00H	LAT= 59.1
4- 1976/ 72/ 20.00H	LAT= 81.1	14- 1976/ 73/ 25.50H	LAT= 46.4
5- 1976/ 72/ 21.50H	LAT= 81.6	15- 1976/ 74/ 2.00H	LAT= 24.2
6- 1976/ 72/ 23.00H	LAT= 81.7	16- 1976/ 74/ 3.92H	LAT= -81.7
7- 1976/ 73/ 0.50H	LAT= 81.5	17- 1976/ 74/ 4.42H	LAT= -24.2
8- 1976/ 73/ 2.00H	LAT= 80.9	18- 1976/ 74/ 6.42H	LAT= 39.4
9- 1976/ 73/ 4.42H	LAT= 79.0	19- 1976/ 74/ 9.00H	LAT= 37.7
10- 1976/ 73/ 6.50H	LAT= 76.8	20- 1976/ 74/ 12.50H	LAT= 68.2

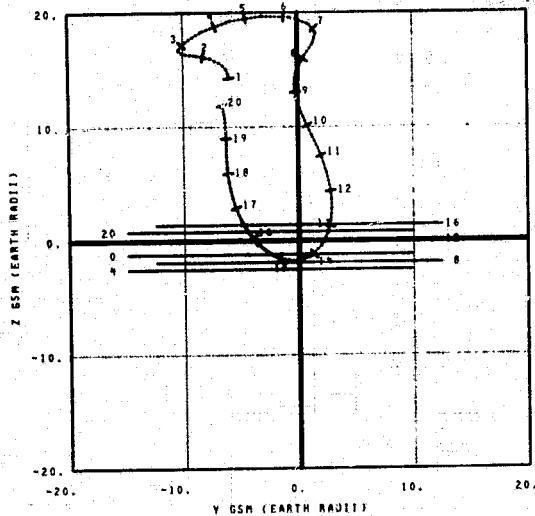
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 72/12.00H TO 1976/ 74/13.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 72/ 12.17H	R= 19.9RE	11- 1976/ 74/ 4.42H	R= 7.9RE
2- 1976/ 72/ 15.50H	R= 18.4RE	12- 1976/ 74/ 1.92H	R= 5.4RE
3- 1976/ 72/ 18.00H	R= 20.1RE	13- 1976/ 74/ 3.00H	R= 3.2RE
4- 1976/ 73/ 3.00H	R= 20.3RE	14- 1976/ 74/ 3.75H	R= 1.8RE
5- 1976/ 73/ 5.00H	R= 20.1RE	15- 1976/ 74/ 4.50H	R= 2.9RE
6- 1976/ 73/ 7.50H	R= 19.7RE	16- 1976/ 74/ 5.42H	R= 4.3RE
7- 1976/ 73/ 11.00H	R= 18.7RE	17- 1976/ 74/ 6.47H	R= 4.4RE
8- 1976/ 73/ 16.33H	R= 16.0RE	18- 1976/ 74/ 8.25H	R= 9.0RE
9- 1976/ 73/ 20.00H	R= 13.1RE	19- 1976/ 74/ 10.25H	R= 11.4RE
10- 1976/ 73/ 22.67H	R= 10.2RE	20- 1976/ 74/ 13.00H	R= 14.1RE

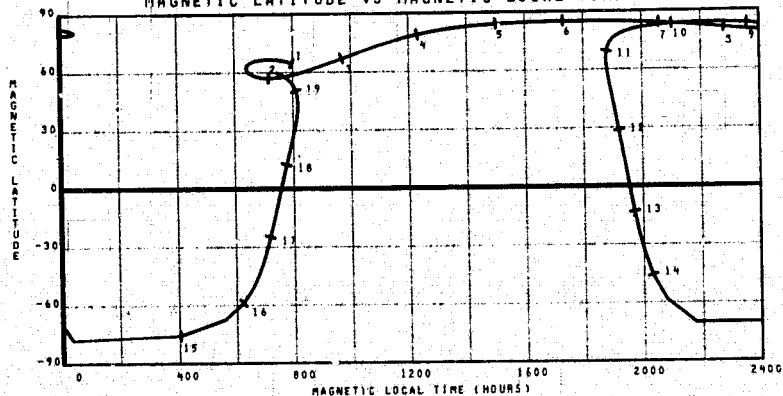
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 72/12.00H TO 1976/ 74/13.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

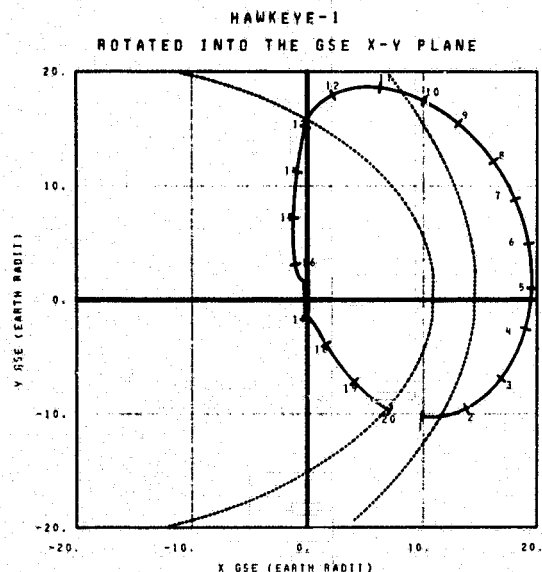


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 72/ 12.17H	R= 19.9RE	8- 1976/ 73/ 15.50H	R= 16.5RE	15- 1976/ 74/ 4.17H	R= 1.8RE
2- 1976/ 72/ 15.50H	R= 20.0RE	9- 1976/ 73/ 21.50H	R= 11.6RE	16- 1976/ 74/ 4.33H	R= 2.1RE
3- 1976/ 72/ 18.00H	R= 20.1RE	10- 1976/ 73/ 22.50H	R= 10.0RE	17- 1976/ 74/ 4.48H	R= 2.5RE
4- 1976/ 73/ 3.00H	R= 19.9RE	11- 1976/ 74/ 1.00H	R= 8.2RE	18- 1976/ 74/ 6.12H	R= 9.0RE
5- 1976/ 73/ 5.00H	R= 18.1RE	12- 1976/ 74/ 3.00H	R= 3.2RE	19- 1976/ 74/ 10.33H	R= 11.5RE
6- 1976/ 73/ 7.50H	R= 18.3RE	13- 1976/ 74/ 3.92H	R= 1.7RE		
7- 1976/ 73/ 10.00H	R= 17.0RE	14- 1976/ 74/ 5.00H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 72/12.00H TO 1976/ 74/13.00H

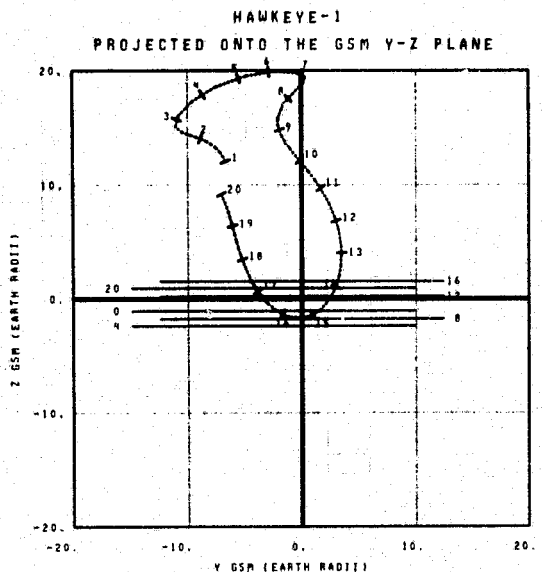


X GSE (EARTH RADII)

INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 74/ 13.17H	LAT= 65.6	11 - 1976/ 75/ 11.17H	LAT= 76.8
2 - 1976/ 74/ 16.83H	LAT= 75.5	12 - 1976/ 75/ 15.67H	LAT= 72.1
3 - 1976/ 74/ 19.67H	LAT= 76.7	13 - 1976/ 75/ 20.67H	LAT= 64.7
4 - 1976/ 74/ 22.17H	LAT= 40.6	14 - 1976/ 76/ 1.00H	LAT= 54.0
5 - 1976/ 74/ 23.67H	LAT= 81.3	15 - 1976/ 76/ 1.00H	LAT= 38.3
6 - 1976/ 75/ 1.17H	LAT= 81.6	16 - 1976/ 76/ 6.17H	LAT= 0.2
7 - 1976/ 75/ 2.67H	LAT= 81.7	17 - 1976/ 76/ 7.17H	LAT= -80.6
8 - 1976/ 75/ 4.17H	LAT= 81.3	18 - 1976/ 76/ 8.58H	LAT= 21.4
9 - 1976/ 75/ 6.17H	LAT= 80.5	19 - 1976/ 76/ 10.92H	LAT= 58.5
10 - 1976/ 75/ 8.17H	LAT= 79.2	20 - 1976/ 76/ 14.00H	LAT= 63.7

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 74/13.00H TO 1976/ 76/14.00H

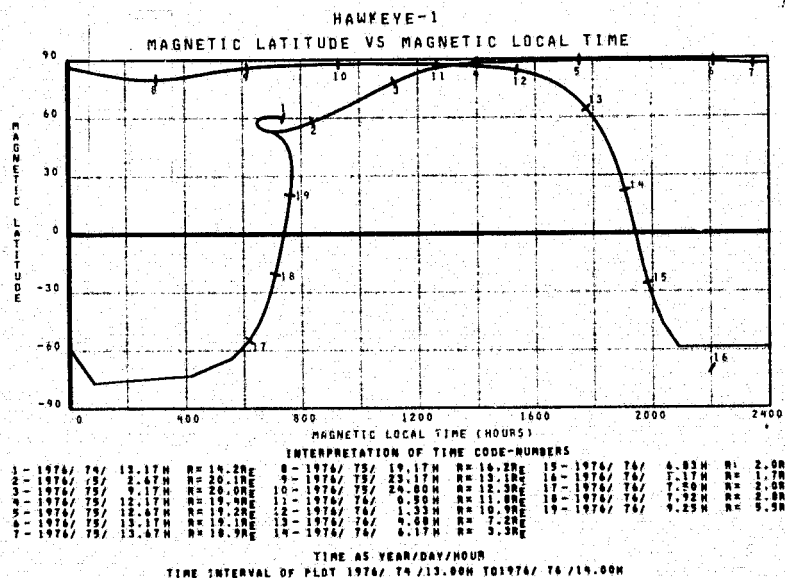


Y GSM (EARTH RADII)

INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 74/ 13.17H	R= 14.2Re	11 - 1976/ 76/ 2.17H	R= 9.9Re
2 - 1976/ 74/ 17.17H	R= 17.0Re	12 - 1976/ 76/ 3.83H	R= 7.5Re
3 - 1976/ 74/ 23.17H	R= 19.4Re	13 - 1976/ 76/ 5.08H	R= 9.5Re
4 - 1976/ 75/ 2.67H	R= 20.1Re	14 - 1976/ 76/ 6.17H	R= 1.3Re
5 - 1976/ 75/ 5.17H	R= 20.3Re	15 - 1976/ 76/ 7.00H	R= 1.0Re
6 - 1976/ 75/ 7.17H	R= 20.2Re	16 - 1976/ 76/ 7.67H	R= 2.3Re
7 - 1976/ 75/ 10.67H	R= 19.7Re	17 - 1976/ 76/ 8.66H	R= 4.2Re
8 - 1976/ 75/ 16.67H	R= 17.6Re	18 - 1976/ 76/ 9.92H	R= 6.7Re
9 - 1976/ 76/ 21.00H	R= 15.8Re	19 - 1976/ 76/ 11.67H	R= 9.3Re
10 - 1976/ 76/ 0.17H	R= 12.2Re	20 - 1976/ 76/ 14.00H	R= 12.0Re

TIME AS YEAR/DAY/HOUR
R IS ECCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 74/13.00H TO 1976/ 76/14.00H



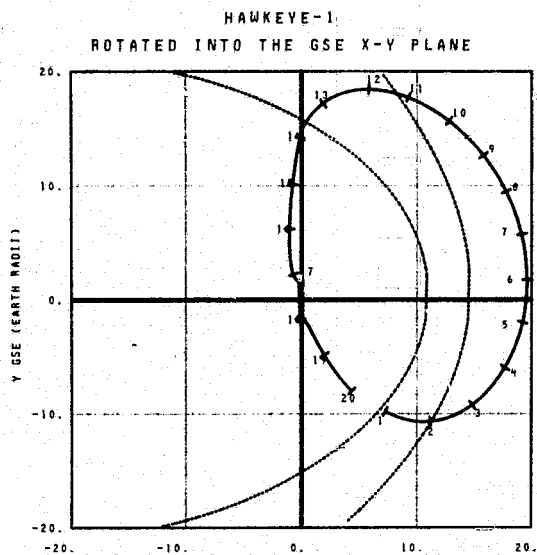
MAGNETIC LATITUDE

MAGNETIC LOCAL TIME (HOURS)

INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/ 74/ 13.17H	R= 14.2Re	8 - 1976/ 75/ 19.17H	R= 16.2Re	15 - 1976/ 76/ 6.03H	R= 2.0Re
2 - 1976/ 75/ 2.67H	R= 20.1Re	9 - 1976/ 75/ 23.17H	R= 13.1Re	16 - 1976/ 76/ 7.17H	R= 1.7Re
3 - 1976/ 75/ 5.17H	R= 20.3Re	10 - 1976/ 75/ 26.80H	R= 12.3Re	17 - 1976/ 76/ 7.50H	R= 2.0Re
4 - 1976/ 75/ 12.17H	R= 19.4Re	11 - 1976/ 76/ 0.50H	R= 11.0Re	18 - 1976/ 76/ 7.92H	R= 2.8Re
5 - 1976/ 75/ 16.67H	R= 19.2Re	12 - 1976/ 76/ 1.33H	R= 10.9Re	19 - 1976/ 76/ 9.25H	R= 5.5Re
6 - 1976/ 75/ 19.67H	R= 18.9Re	13 - 1976/ 76/ 2.67H	R= 7.2Re		
7 - 1976/ 75/ 23.67H	R= 18.9Re	14 - 1976/ 76/ 6.17H	R= 5.3Re		

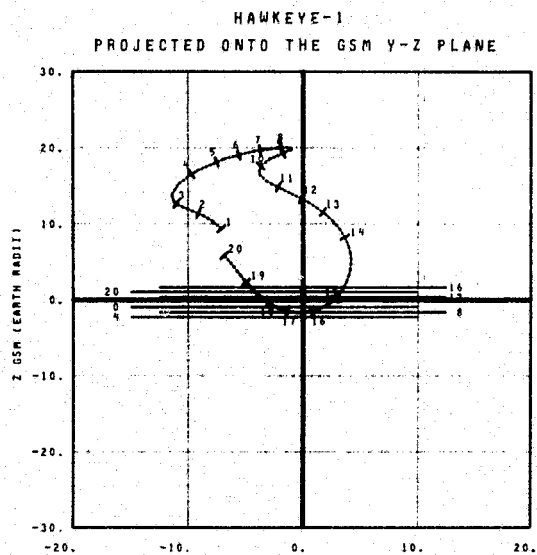
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 74/13.00H TO 1976/ 76/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 76/ 14.17H	LAT= 64.2	11- 1976/ 77/ 12.50H	LAT= 78.4
2- 1976/ 76/ 18.00H	LAT= 72.5	12- 1976/ 77/ 15.50H	LAT= 79.8
3- 1976/ 76/ 21.33H	LAT= 77.1	13- 1976/ 77/ 20.50H	LAT= 79.8
4- 1976/ 76/ 24.00H	LAT= 79.4	14- 1976/ 78/ 1.17H	LAT= 82.2
5- 1976/ 77/ 2.00H	LAT= 80.9	15- 1976/ 78/ 5.17H	LAT= 80.4
6- 1976/ 77/ 3.50H	LAT= 81.5	16- 1976/ 78/ 7.83H	LAT= 82.5
7- 1976/ 77/ 5.00H	LAT= 81.7	17- 1976/ 78/ 9.83H	LAT= 85.2
8- 1976/ 77/ 6.50H	LAT= 81.6	18- 1976/ 78/ 10.42H	LAT= 77.5
9- 1976/ 77/ 8.00H	LAT= 81.1	19- 1976/ 78/ 12.30H	LAT= 81.7
10- 1976/ 77/ 10.00H	LAT= 80.1	20- 1976/ 78/ 14.75H	LAT= 84.0

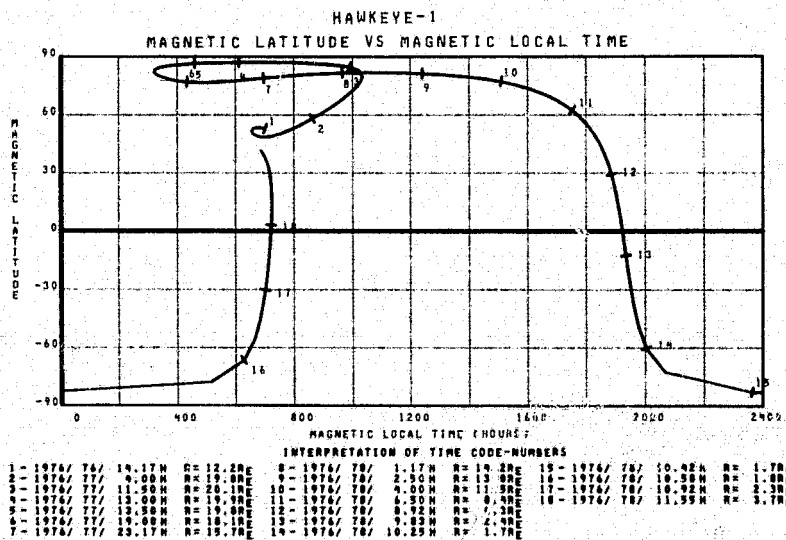
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 76/14.00H TO 1976/ 78/15.00H

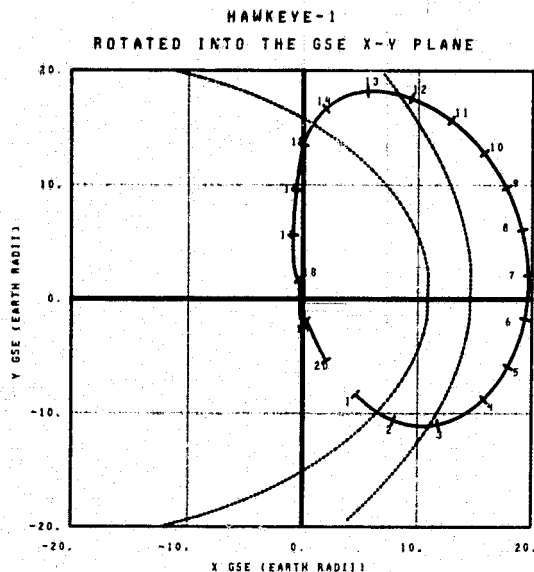


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 76/ 14.17H	R= 12.2Re	11- 1976/ 78/ 0.17H	R= 15.0Re
2- 1976/ 76/ 17.33H	R= 15.0Re	12- 1976/ 78/ 2.17H	R= 13.3Re
3- 1976/ 76/ 20.67H	R= 17.1Re	13- 1976/ 78/ 3.83H	R= 11.7Re
4- 1976/ 77/ 2.50H	R= 19.5Re	14- 1976/ 78/ 6.00H	R= 9.1Re
5- 1976/ 77/ 4.50H	R= 19.9Re	15- 1976/ 78/ 9.58H	R= 2.9Re
6- 1976/ 77/ 6.00H	R= 20.1Re	16- 1976/ 78/ 10.25H	R= 1.7Re
7- 1976/ 77/ 7.50H	R= 20.2Re	17- 1976/ 78/ 10.75H	R= 2.0Re
8- 1976/ 77/ 9.50H	R= 20.3Re	18- 1976/ 78/ 11.32H	R= 3.2Re
9- 1976/ 77/ 15.00H	R= 19.5Re	19- 1976/ 78/ 12.63H	R= 5.0Re
10- 1976/ 77/ 19.00H	R= 18.1Re	20- 1976/ 78/ 15.00H	R= 9.4Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/ 76/14.00H TO 1976/ 78/15.00H

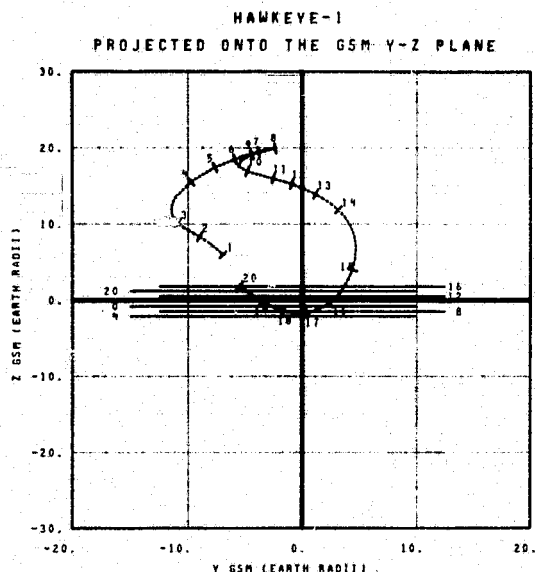




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 78/ 15.00H	LAT= 95.7	11- 1976/ 79/ 13.67H	LAT= 79.9
2- 1976/ 78/ 18.30H	LAT= 67.1	12- 1976/ 79/ 16.17H	LAT= 70.1
3- 1976/ 78/ 22.17H	LAT= 74.0	13- 1976/ 79/ 19.67H	LAT= 74.9
4- 1976/ 79/ 1.67H	LAT= 78.3	14- 1976/ 80/ 0.67H	LAT= 68.7
5- 1976/ 79/ 3.67H	LAT= 80.0	15- 1976/ 80/ 5.17H	LAT= 60.4
6- 1976/ 79/ 5.67H	LAT= 81.1	16- 1976/ 80/ 8.03H	LAT= 48.0
7- 1976/ 79/ 7.17H	LAT= 81.6	17- 1976/ 80/ 11.48H	LAT= 28.0
8- 1976/ 79/ 8.67H	LAT= 81.7	18- 1976/ 80/ 13.92H	LAT= -64.4
9- 1976/ 79/ 10.17H	LAT= 81.5	19- 1976/ 80/ 13.92H	LAT= -40.3
10- 1976/ 79/ 11.67H	LAT= 81.0	20- 1976/ 80/ 15.03H	LAT= 36.3

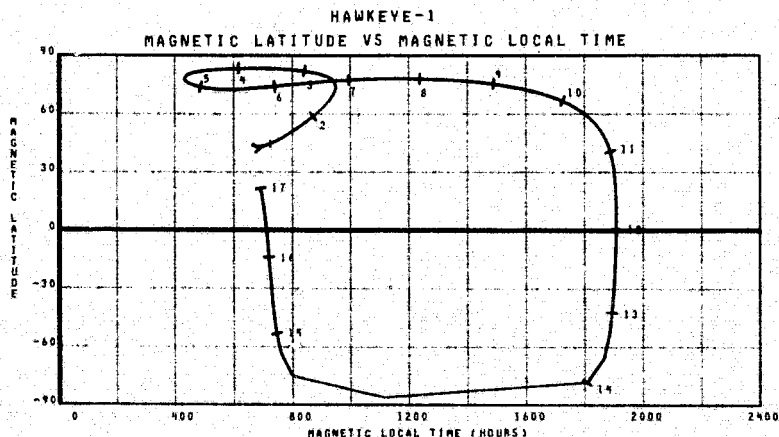
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 78/15.00H TO 1976/ 80/16.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 78/ 15.00H	R= 9.5RE	11- 1976/ 80/ 1.67H	R= 16.2RE
2- 1976/ 78/ 17.03H	R= 12.6RE	12- 1976/ 80/ 3.60H	R= 13.3RE
3- 1976/ 78/ 21.00H	R= 15.3RE	13- 1976/ 80/ 4.67H	R= 15.0RE
4- 1976/ 79/ 3.17H	R= 18.0RE	14- 1976/ 80/ 6.50H	R= 12.3RE
5- 1976/ 79/ 5.17H	R= 19.3RE	15- 1976/ 80/ 11.25H	R= 6.0RE
6- 1976/ 79/ 6.67H	R= 19.7RE	16- 1976/ 80/ 13.00H	R= 2.5RE
7- 1976/ 79/ 8.67H	R= 20.0RE	17- 1976/ 80/ 13.90H	R= 1.7RE
8- 1976/ 79/ 13.17H	R= 20.2RE	18- 1976/ 80/ 14.00H	R= 2.0RE
9- 1976/ 79/ 17.17H	R= 19.7RE	19- 1976/ 80/ 14.77H	R= 3.7RE
10- 1976/ 79/ 23.17H	R= 17.6RE	20- 1976/ 80/ 16.00H	R= 6.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 78/15.00H TO 1976/ 80/16.00H



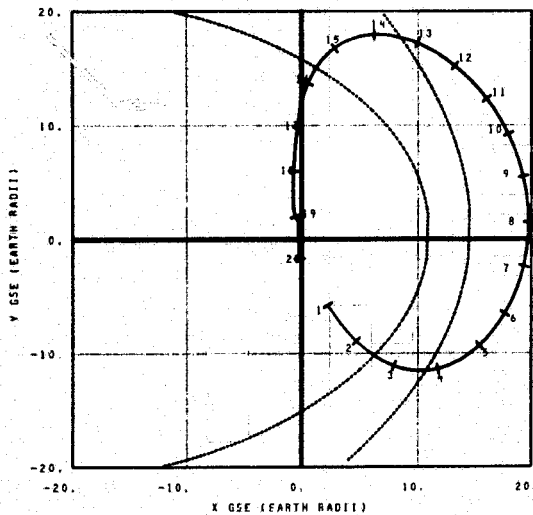
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 78/ 15.00H	R= 9.5RE	8- 1976/ 80/ 9.00H	R= 13.5RE	15- 1976/ 80/ 13.92H	R= 2.0RE
2- 1976/ 79/ 5.17H	R= 19.3RE	9- 1976/ 80/ 9.67H	R= 13.1RE	16- 1976/ 80/ 14.40H	R= 2.9RE
3- 1976/ 79/ 11.67H	R= 20.3RE	10- 1976/ 80/ 8.00H	R= 10.6RE	17- 1976/ 80/ 16.00H	R= 6.1RE
4- 1976/ 79/ 13.17H	R= 20.2RE	11- 1976/ 80/ 11.25H	R= 5.0RE		
5- 1976/ 79/ 18.67H	R= 19.3RE	12- 1976/ 80/ 12.63H	R= 5.0RE		
6- 1976/ 79/ 22.67H	R= 17.3RE	13- 1976/ 80/ 13.33H	R= 1.0RE		
7- 1976/ 80/ 2.33H	R= 15.7RE	14- 1976/ 80/ 13.50H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 78/15.00H TO 1976/ 80/16.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 00/ 16.00H	LAT= 39.4	11- 1976/ 01/ 15.00H	LAT= 01.0
2- 1976/ 00/ 18.75H	LAT= 57.7	12- 1976/ 01/ 17.00H	LAT= 79.9
3- 1976/ 00/ 22.17H	LAT= 48.1	13- 1976/ 01/ 19.50H	LAT= 78.1
4- 1976/ 01/ 1.83H	LAT= 74.6	14- 1976/ 01/ 23.00H	LAT= 74.8
5- 1976/ 01/ 5.00H	LAT= 70.3	15- 1976/ 02/ 3.50H	LAT= 49.3
6- 1976/ 01/ 7.00H	LAT= 80.0	16- 1976/ 02/ 8.17H	LAT= 61.0
7- 1976/ 01/ 9.00H	LAT= 81.1	17- 1976/ 02/ 11.03H	LAT= 49.4
8- 1976/ 01/ 10.50H	LAT= 81.6	18- 1976/ 02/ 14.42H	LAT= 30.8
9- 1976/ 01/ 12.00H	LAT= 81.7	19- 1976/ 02/ 16.42H	LAT= -38.7
10- 1976/ 01/ 12.50H	LAT= 81.5	20- 1976/ 02/ 16.03H	LAT= -79.6

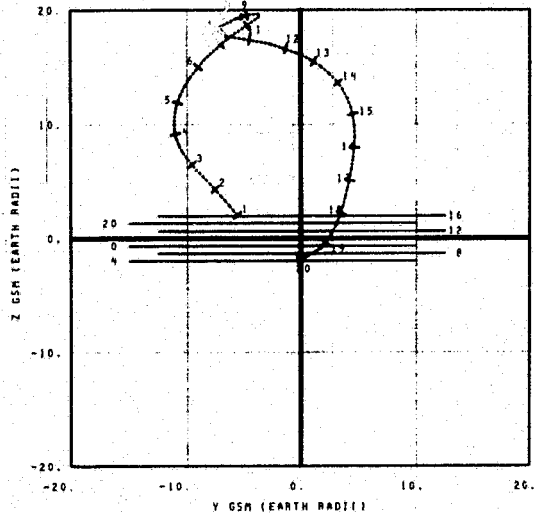
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 00/16.00H TO 1976/ 02/17.00H

HAWKEYE-1

PROJECTED INTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 00/ 16.00H	R= 6.2RE	11- 1976/ 02/ 1.50H	R= 18.0RE
2- 1976/ 00/ 17.92H	R= 9.0RE	12- 1976/ 02/ 4.00H	R= 16.7RE
3- 1976/ 00/ 20.33H	R= 11.9RE	13- 1976/ 02/ 5.03H	R= 15.5RE
4- 1976/ 00/ 23.33H	R= 14.6RE	14- 1976/ 02/ 7.03H	R= 14.0RE
5- 1976/ 01/ 1.83H	R= 16.0RE	15- 1976/ 02/ 10.17H	R= 11.8RE
6- 1976/ 01/ 4.50H	R= 17.8RE	16- 1976/ 02/ 12.33H	R= 9.2RE
7- 1976/ 01/ 6.50H	R= 18.7RE	17- 1976/ 02/ 14.00H	R= 6.6RE
8- 1976/ 01/ 9.00H	R= 19.5RE	18- 1976/ 02/ 15.42H	R= 4.2RE
9- 1976/ 01/ 15.50H	R= 20.3RE	19- 1976/ 02/ 16.33H	R= 2.2RE
10- 1976/ 01/ 20.50H	R= 19.7RE	20- 1976/ 02/ 17.00H	R= 1.0RE

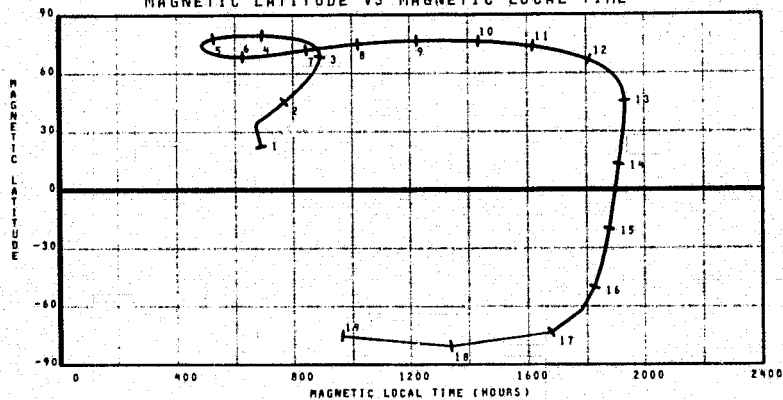
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 00/16.00H TO 1976/ 02/17.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

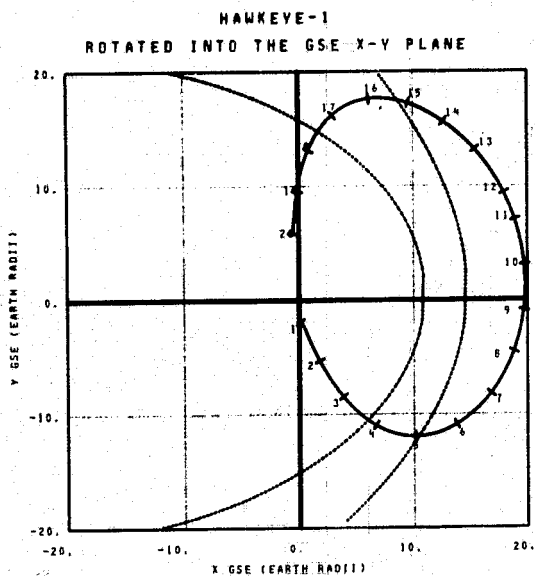


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 00/ 16.00H	R= 6.2RE	6- 1976/ 02/ 3.50H	R= 17.0RE	15- 1976/ 02/ 16.42H	R= 2.1RE
2- 1976/ 01/ 2.00H	R= 16.7RE	7- 1976/ 02/ 5.17H	R= 14.0RE	16- 1976/ 02/ 16.47H	R= 1.0RE
3- 1976/ 01/ 8.00H	R= 19.3RE	8- 1976/ 02/ 6.47H	R= 14.9RE	17- 1976/ 02/ 16.83H	R= 1.7RE
4- 1976/ 01/ 12.50H	R= 20.3RE	9- 1976/ 02/ 8.17H	R= 13.7RE	18- 1976/ 02/ 16.92H	R= 1.7RE
5- 1976/ 01/ 14.50H	R= 20.3RE	10- 1976/ 02/ 10.50H	R= 11.9RE	19- 1976/ 02/ 17.00H	R= 1.0RE
6- 1976/ 01/ 21.50H	R= 19.4RE	11- 1976/ 02/ 14.33H	R= 6.2RE		
7- 1976/ 02/ 1.50H	R= 10.6RE	12- 1976/ 02/ 19.92H	R= 3.1RE		

TIME AS YEAR/DAY/HOUR

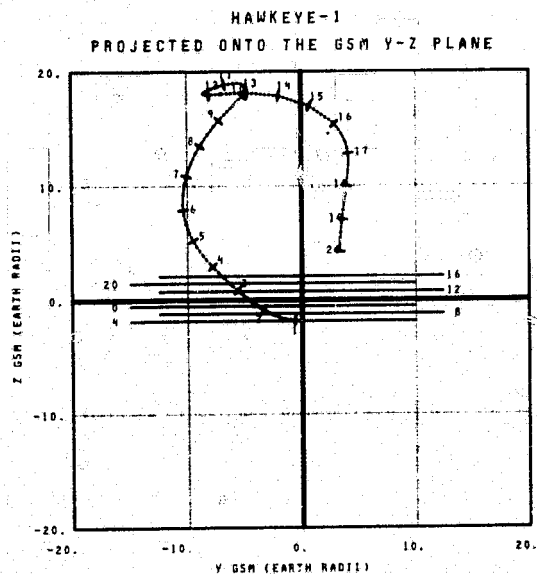
TIME INTERVAL OF PLOT 1976/ 00/16.00H TO 1976/ 02/17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 02/ 17.00H	LAT= -46.5	11- 1976/ 03/ 16.17H	LAT= 81.
2- 1976/ 02/ 18.95H	LAT= 34.6	12- 1976/ 03/ 17.17H	LAT= 81.
3- 1976/ 02/ 21.33H	LAT= 54.6	13- 1976/ 03/ 19.17H	LAT= 80.
4- 1976/ 03/ 0.50H	LAT= 65.9	14- 1976/ 03/ 21.17H	LAT= 79.
5- 1976/ 03/ 4.00H	LAT= 72.9	15- 1976/ 03/ 23.67H	LAT= 77.
6- 1976/ 03/ 7.17H	LAT= 77.2	16- 1976/ 04/ 3.17H	LAT= 75.1
7- 1976/ 03/ 9.67H	LAT= 79.6	17- 1976/ 04/ 7.67H	LAT= 68.1
8- 1976/ 03/ 11.67H	LAT= 80.9	18- 1976/ 04/ 12.00H	LAT= 59.1
9- 1976/ 03/ 13.17H	LAT= 81.5	19- 1976/ 04/ 15.33H	LAT= 46.1
10- 1976/ 03/ 14.67H	LAT= 81.7	20- 1976/ 04/ 17.75H	LAT= 29.3

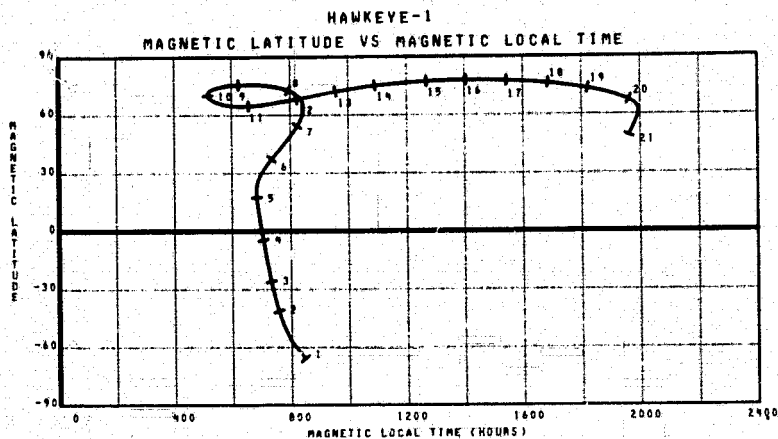
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 02/17.00H TO 1976/ 04/18.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 02/ 17.00H	R= 1.9RE	11- 1976/ 03/ 16.67H	R= 26.2RE
2- 1976/ 02/ 17.92H	R= 3.6RE	12- 1976/ 03/ 23.17H	R= 19.0RE
3- 1976/ 02/ 19.13H	R= 5.9RE	13- 1976/ 04/ 2.67H	R= 18.0RE
4- 1976/ 02/ 20.03H	R= 6.6RE	14- 1976/ 04/ 4.67H	R= 18.0RE
5- 1976/ 02/ 22.03H	R= 11.1RE	15- 1976/ 04/ 6.67H	R= 17.0RE
6- 1976/ 03/ 1.00H	R= 13.3RE	16- 1976/ 04/ 8.67H	R= 15.7RE
7- 1976/ 03/ 3.17H	R= 15.1RE	17- 1976/ 04/ 11.67H	R= 13.5RE
8- 1976/ 03/ 5.17H	R= 16.4RE	18- 1976/ 04/ 14.33H	R= 10.7RE
9- 1976/ 03/ 7.17H	R= 17.6RE	19- 1976/ 04/ 16.50H	R= 7.9RE
10- 1976/ 03/ 10.17H	R= 18.6RE	20- 1976/ 04/ 18.00H	R= 5.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 02/17.00H TO 1976/ 04/18.00H

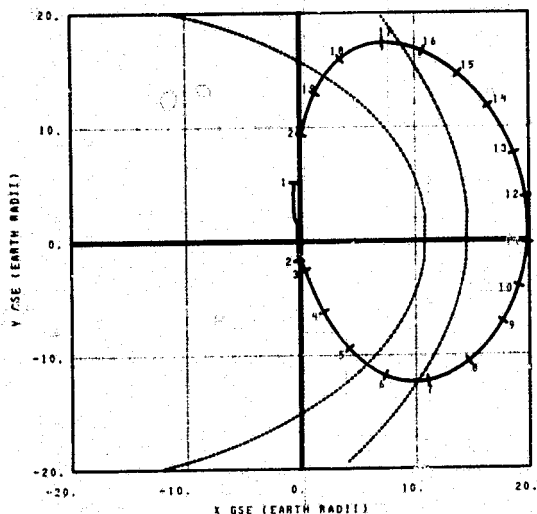


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 02/ 17.00H	R= 1.9RE	8- 1976/ 03/ 10.67H	R= 19.0RE	15- 1976/ 04/ 6.67H	R= 17.0RE
2- 1976/ 02/ 17.92H	R= 2.0RE	9- 1976/ 03/ 12.17H	R= 19.7RE	16- 1976/ 04/ 7.67H	R= 16.0RE
3- 1976/ 02/ 17.97H	R= 2.0RE	10- 1976/ 03/ 14.67H	R= 20.2RE	17- 1976/ 04/ 8.67H	R= 15.0RE
4- 1976/ 02/ 18.19H	R= 7.3RE	11- 1976/ 03/ 22.17H	R= 20.0RE	18- 1976/ 04/ 9.67H	R= 13.0RE
5- 1976/ 02/ 20.03H	R= 7.3RE	12- 1976/ 04/ 1.67H	R= 19.9RE	19- 1976/ 04/ 10.67H	R= 11.1RE
6- 1976/ 02/ 20.03H	R= 10.9RE	13- 1976/ 04/ 3.67H	R= 18.0RE	20- 1976/ 04/ 15.00H	R= 5.4RE
7- 1976/ 03/ 1.00H	R= 10.9RE	14- 1976/ 04/ 5.17H	R= 17.0RE	21- 1976/ 04/ 18.00H	R= 5.4RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 02/17.00H TO 1976/ 04/18.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

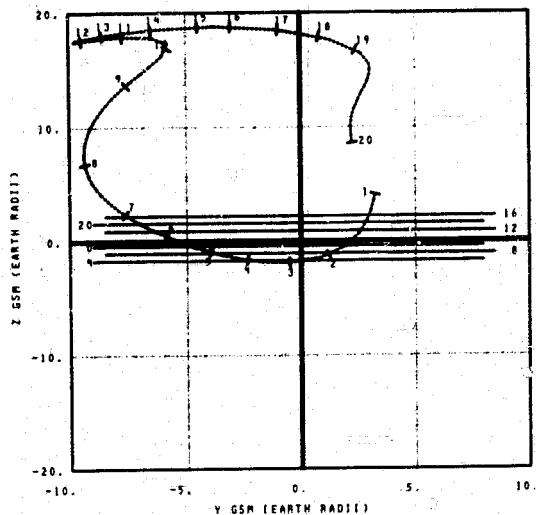


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/04/18.00H	LAT=24.5	11-1976/05/17.00H	LAT=81.4
2-1976/04/20.00H	LAT=-75.8	12-1976/05/20.00H	LAT=81.7
3-1976/04/20.67H	LAT=-11.8	13-1976/05/20.00H	LAT=81.5
4-1976/04/22.67H	LAT=40.8	14-1976/05/22.00H	LAT=80.0
5-1976/05/1.33H	LAT=58.1	15-1976/05/24.00H	LAT=79.6
6-1976/05/4.03H	LAT=68.4	16-1976/06/2.50H	LAT=77.7
7-1976/05/8.50H	LAT=74.8	17-1976/06/4.00H	LAT=74.3
8-1976/05/11.50H	LAT=78.3	18-1976/06/11.00H	LAT=47.9
9-1976/05/14.00H	LAT=80.3	19-1976/06/15.33H	LAT=59.3
10-1976/05/15.50H	LAT=81.1	20-1976/06/18.67H	LAT=47.6

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/04/18.00H TO 1976/06/19.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

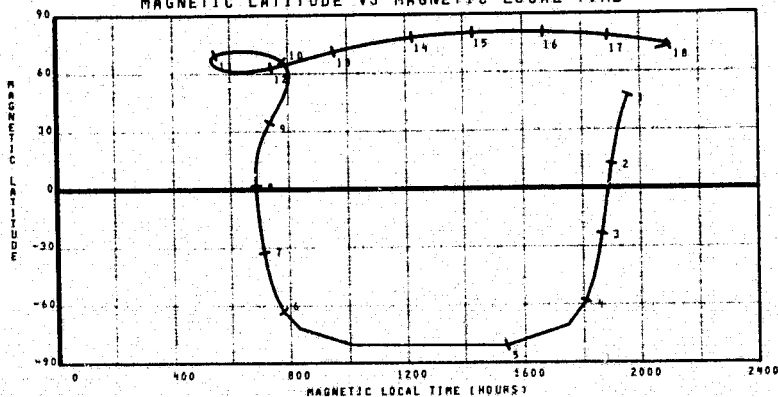


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/04/18.00H	R=5.28R	11-1976/05/16.50H	R=19.7R
2-1976/04/19.42H	R=1.7R	12-1976/05/19.50H	R=20.2R
3-1976/04/20.33H	R=1.9R	13-1976/06/0.50H	R=20.1R
4-1976/04/20.83H	R=2.9R	14-1976/06/2.50H	R=19.0R
5-1976/04/21.43H	R=4.2R	15-1976/06/4.00H	R=19.4R
6-1976/04/22.42H	R=6.0R	16-1976/06/5.00H	R=19.1R
7-1976/04/23.75H	R=9.2R	17-1976/06/6.50H	R=18.6R
8-1976/05/2.67H	R=11.0R	18-1976/06/8.00H	R=18.0R
9-1976/05/7.50H	R=15.9R	19-1976/06/10.00H	R=17.0R
10-1976/05/11.50H	R=18.1R	20-1976/06/19.00H	R=8.9R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/04/18.00H TO 1976/06/19.00H

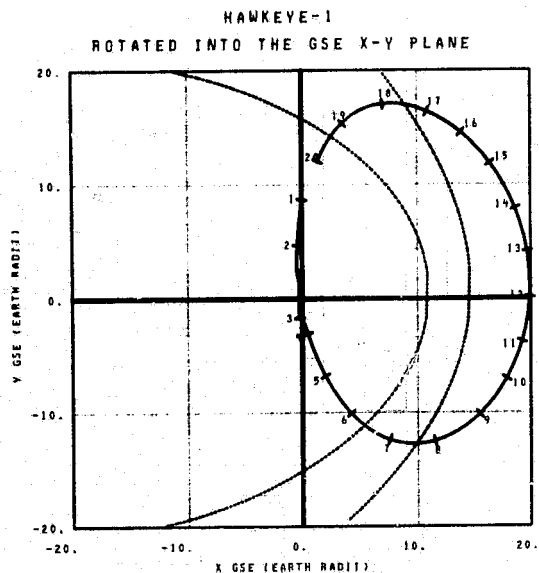
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1-1976/04/18.00H	R=5.2R	11-1976/06/9.00H	R=17.5R
2-1976/04/19.33H	R=1.7R	12-1976/06/10.50H	R=16.7R
3-1976/04/20.00H	R=1.9R	13-1976/06/12.33H	R=15.9R
4-1976/04/20.83H	R=2.9R	14-1976/06/17.67H	R=10.6R
5-1976/04/21.43H	R=4.2R		
6-1976/04/22.42H	R=6.0R		
7-1976/04/23.75H	R=9.2R		
8-1976/05/2.67H	R=11.0R		
9-1976/05/7.50H	R=15.9R		
10-1976/05/11.50H	R=18.1R		
11-1976/05/16.50H	R=19.7R		
12-1976/05/19.50H	R=20.2R		
13-1976/06/0.50H	R=20.1R		
14-1976/06/2.50H	R=19.0R		
15-1976/06/4.00H	R=19.4R		
16-1976/06/5.00H	R=19.1R		
17-1976/06/6.50H	R=18.6R		
18-1976/06/8.00H	R=18.0R		
19-1976/06/10.00H	R=17.0R		
20-1976/06/19.00H	R=8.9R		

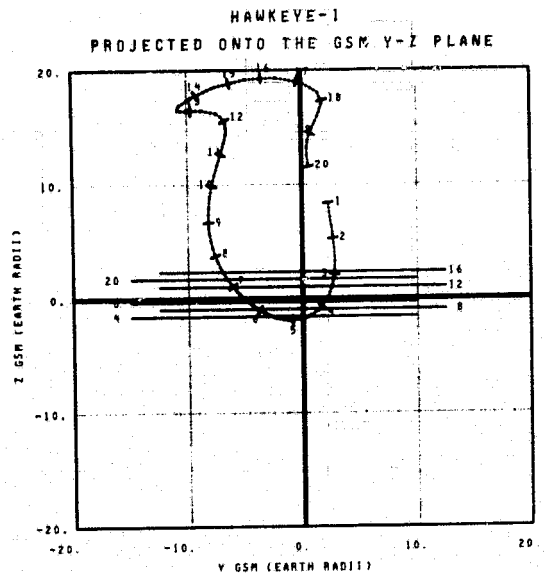
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/04/18.00H TO 1976/06/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 06/ 19.17H	LAT= 44.9	11- 1976/ 07/ 19.17H	LAT= 01.3
2- 1976/ 06/ 21.50H	LAT= 19.4	12- 1976/ 07/ 20.67H	LAT= 01.6
3- 1976/ 06/ 23.25H	LAT= -00.9	13- 1976/ 07/ 22.17H	LAT= 01.7
4- 1976/ 07/ 0.15H	LAT= 3.3	14- 1976/ 07/ 23.67H	LAT= 01.4
5- 1976/ 07/ 2.25H	LAT= 44.3	15- 1976/ 08/ 1.67H	LAT= 00.4
6- 1976/ 07/ 5.00H	LAT= 60.1	16- 1976/ 08/ 3.67H	LAT= 79.5
7- 1976/ 07/ 8.03H	LAT= 70.0	17- 1976/ 08/ 6.17H	LAT= 77.5
8- 1976/ 07/ 12.50H	LAT= 75.0	18- 1976/ 08/ 10.17H	LAT= 73.3
9- 1976/ 07/ 15.47H	LAT= 79.1	19- 1976/ 08/ 15.17H	LAT= 66.4
10- 1976/ 07/ 17.67H	LAT= 80.5	20- 1976/ 08/ 19.50H	LAT= 56.0

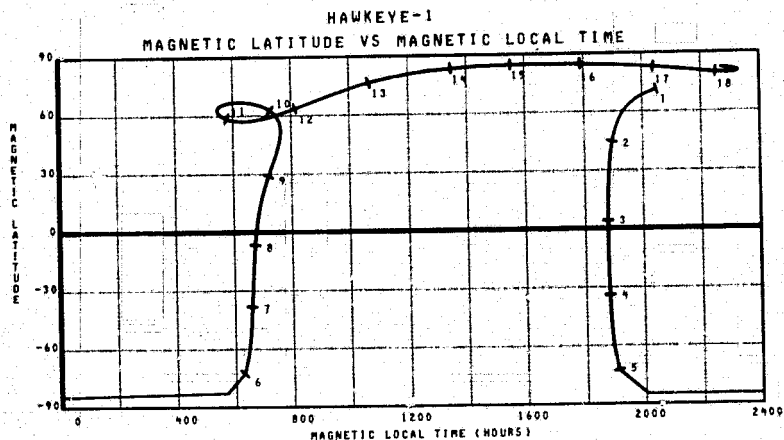
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 06/19.00H TO 1976/ 08/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 06/ 19.17H	R= 0.7Re	11- 1976/ 07/ 9.17H	R= 14.0Re
2- 1976/ 06/ 20.92H	R= 5.9Re	12- 1976/ 07/ 13.00H	R= 17.2Re
3- 1976/ 06/ 22.17H	R= 3.9Re	13- 1976/ 07/ 18.17H	R= 19.3Re
4- 1976/ 06/ 23.00H	R= 1.9Re	14- 1976/ 08/ 1.17H	R= 20.3Re
5- 1976/ 06/ 23.67H	R= 2.1Re	15- 1976/ 08/ 3.67H	R= 20.1Re
6- 1976/ 07/ 0.57H	R= 4.0Re	16- 1976/ 08/ 5.67H	R= 19.0Re
7- 1976/ 07/ 1.03H	R= 6.4Re	17- 1976/ 08/ 9.17H	R= 19.2Re
8- 1976/ 07/ 3.33H	R= 0.7Re	18- 1976/ 08/ 12.17H	R= 17.9Re
9- 1976/ 07/ 5.00H	R= 10.0Re	19- 1976/ 08/ 16.03H	R= 14.5Re
10- 1976/ 07/ 7.00H	R= 12.9Re	20- 1976/ 08/ 20.00H	R= 11.6Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 06/19.00H TO 1976/ 08/20.00H

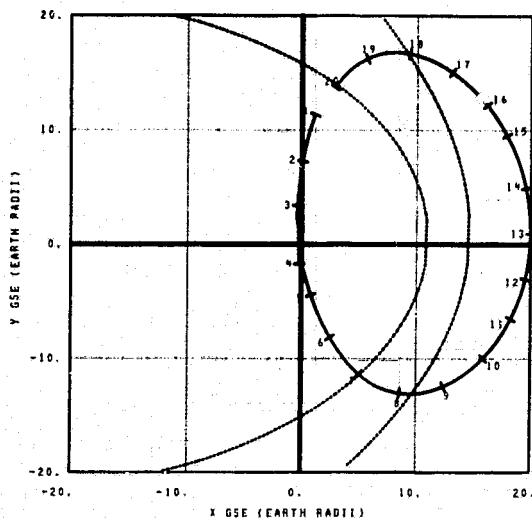


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 06/ 19.17H	R= 0.7Re	11- 1976/ 08/ 10.67H	R= 10.2Re
2- 1976/ 06/ 21.50H	R= 4.0Re	12- 1976/ 08/ 11.67H	R= 17.0Re
3- 1976/ 06/ 23.25H	R= 2.3Re	13- 1976/ 08/ 13.67H	R= 15.3Re
4- 1976/ 06/ 23.00H	R= 1.0Re	14- 1976/ 08/ 15.67H	R= 15.3Re
5- 1976/ 06/ 23.67H	R= 1.7Re	15- 1976/ 08/ 17.67H	R= 15.3Re
6- 1976/ 06/ 23.67H	R= 2.0Re	16- 1976/ 08/ 19.67H	R= 15.3Re
7- 1976/ 06/ 24.00H	R= 2.0Re	17- 1976/ 08/ 21.67H	R= 15.3Re

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 06/19.00H TO 1976/ 08/20.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

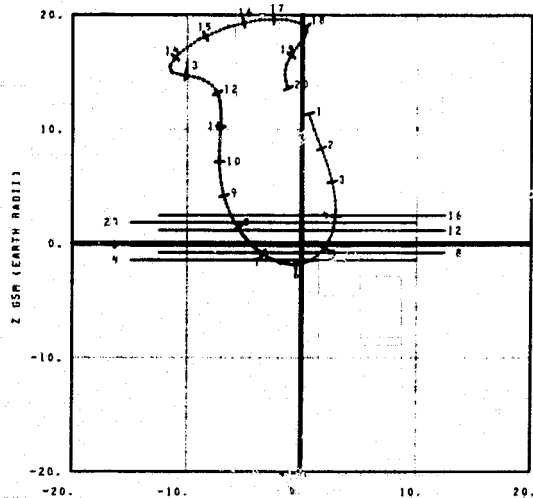
1- 1976/ 08/ 20.17H	LAT= 59.7	11- 1976/ 09/ 21.50H	LAT= 80.9
2- 1976/ 08/ 23.33H	LAT= 59.3	12- 1976/ 09/ 23.00H	LAT= 81.9
3- 1976/ 09/ 1.42H	LAT= 2.9	13- 1976/ 09/ 0.50H	LAT= 81.7
4- 1976/ 09/ 2.50H	LAT= -77.7	14- 1976/ 09/ 2.06H	LAT= 81.4
5- 1976/ 09/ 4.02H	LAT= 24.2	15- 1976/ 09/ 4.00H	LAT= 81.0
6- 1976/ 09/ 6.42H	LAT= 51.2	16- 1976/ 09/ 5.50H	LAT= 80.2
7- 1976/ 09/ 9.67H	LAT= 64.9	17- 1976/ 09/ 8.00H	LAT= 78.9
8- 1976/ 09/ 12.50H	LAT= 72.5	18- 1976/ 09/ 11.50H	LAT= 75.9
9- 1976/ 09/ 16.03H	LAT= 77.0	19- 1976/ 09/ 16.00H	LAT= 78.1
10- 1976/ 09/ 19.50H	LAT= 79.6	20- 1976/ 09/ 20.67H	LAT= 82.0

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 08/20.00H TO 1976/ 09/21.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

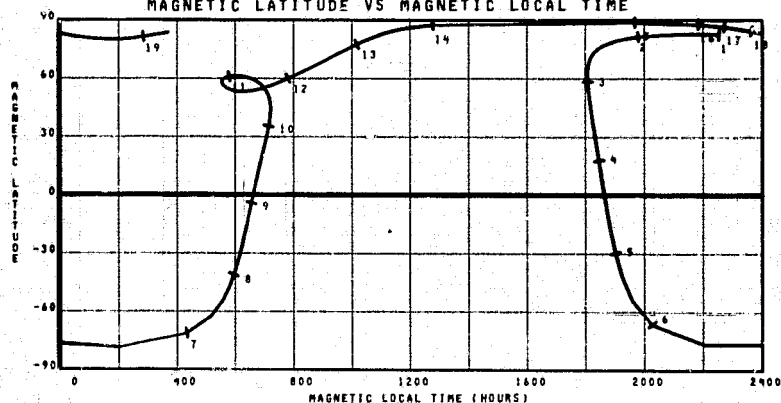
1- 1976/ 08/ 20.17H	R= 11.40R	11- 1976/ 09/ 21.50H	R= 12.70R
2- 1976/ 08/ 23.33H	R= 8.50R	12- 1976/ 09/ 23.00H	R= 19.30R
3- 1976/ 09/ 1.42H	R= 6.00R	13- 1976/ 09/ 0.50H	R= 18.10R
4- 1976/ 09/ 2.50H	R= 3.00R	14- 1976/ 09/ 2.06H	R= 19.90R
5- 1976/ 09/ 4.02H	R= 2.10R	15- 1976/ 09/ 4.00H	R= 20.20R
6- 1976/ 09/ 6.42H	R= 1.70R	16- 1976/ 09/ 5.50H	R= 20.20R
7- 1976/ 09/ 9.67H	R= 3.60R	17- 1976/ 09/ 8.00H	R= 20.00R
8- 1976/ 09/ 12.50H	R= 5.00R	18- 1976/ 09/ 11.50H	R= 19.10R
9- 1976/ 09/ 16.03H	R= 8.10R	19- 1976/ 09/ 16.00H	R= 16.60R
10- 1976/ 09/ 19.50H	R= 10.20R	20- 1976/ 09/ 20.67H	R= 15.70R

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 08/20.00H TO 1976/ 09/21.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

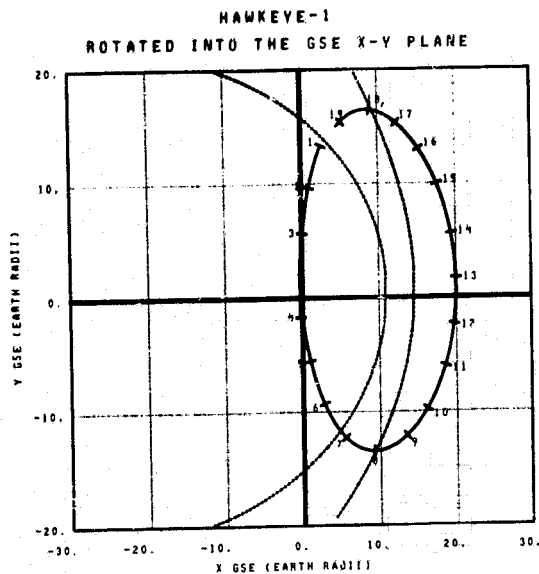


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 08/ 20.17H	R= 11.40R	11- 1976/ 09/ 21.50H	R= 12.70R
2- 1976/ 08/ 23.33H	R= 8.50R	12- 1976/ 09/ 23.00H	R= 19.30R
3- 1976/ 09/ 1.42H	R= 6.00R	13- 1976/ 09/ 0.50H	R= 18.10R
4- 1976/ 09/ 2.50H	R= 3.00R	14- 1976/ 09/ 2.06H	R= 19.90R
5- 1976/ 09/ 4.02H	R= 2.10R	15- 1976/ 09/ 4.00H	R= 20.20R
6- 1976/ 09/ 6.42H	R= 1.70R	16- 1976/ 09/ 5.50H	R= 20.20R
7- 1976/ 09/ 9.67H	R= 3.60R	17- 1976/ 09/ 8.00H	R= 20.00R
8- 1976/ 09/ 12.50H	R= 5.00R	18- 1976/ 09/ 11.50H	R= 19.10R
9- 1976/ 09/ 16.03H	R= 8.10R	19- 1976/ 09/ 16.00H	R= 16.60R
10- 1976/ 09/ 19.50H	R= 10.20R	20- 1976/ 09/ 20.67H	R= 15.70R

TIME AS YEAR/DAY/HOUR

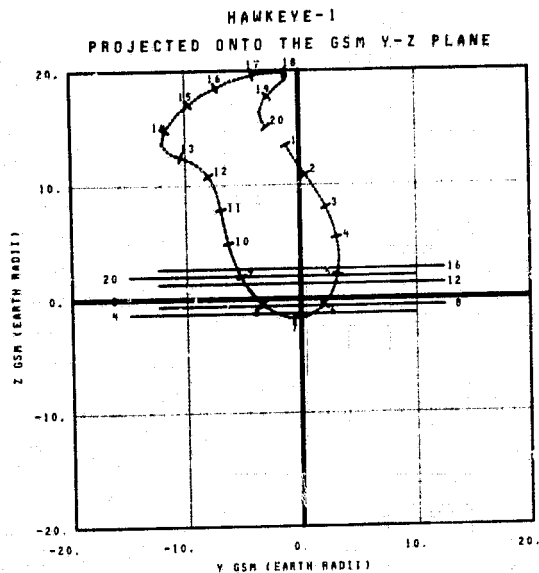
TIME INTERVAL OF PLOT 1976/ 08/20.00H TO 1976/ 09/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 90/ 21.17H LAT= 60.9	12- 1976/ 92/ 2.83H LAT= 81.1
2- 1976/ 91/ 0.83H LAT= 99.0	13- 1976/ 92/ 2.83H LAT= 81.6
3- 1976/ 91/ 3.59H LAT= 20.2	14- 1976/ 92/ 4.33H LAT= 81.7
4- 1976/ 91/ 5.67H LAT= -01.6	15- 1976/ 92/ 5.83H LAT= 81.9
5- 1976/ 91/ 7.83H LAT= 34.8	16- 1976/ 92/ 7.83H LAT= 80.7
6- 1976/ 91/ 10.50H LAT= 55.8	17- 1976/ 92/ 9.83H LAT= 79.6
7- 1976/ 91/ 14.00H LAT= 67.2	18- 1976/ 92/ 12.33H LAT= 74.3
8- 1976/ 91/ 17.83H LAT= 74.8	19- 1976/ 92/ 15.83H LAT= 67.7
9- 1976/ 91/ 21.33H LAT= 78.8	
10- 1976/ 91/ 23.33H LAT= 80.0	

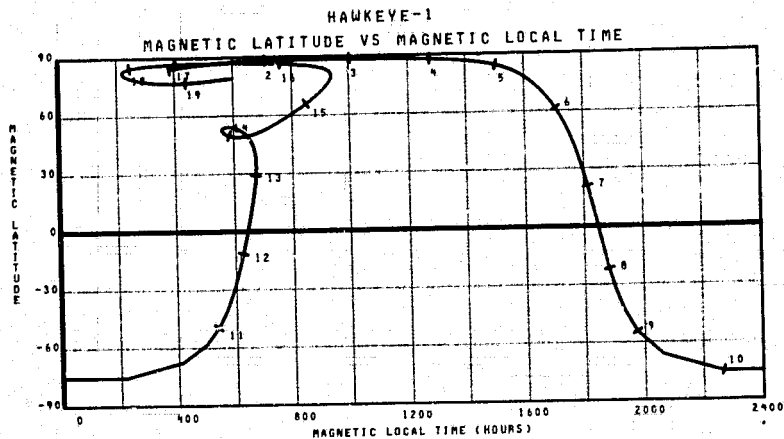
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 90/21.00H TO 1976/ 92/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 90/ 21.17H R= 13.6RE	11- 1976/ 91/ 11.25H R= 10.41E
2- 1976/ 90/ 23.83H R= 10.9RE	12- 1976/ 91/ 14.17H R= 13.6RE
3- 1976/ 91/ 1.83H R= 8.3RE	13- 1976/ 91/ 18.00H R= 14.4RE
4- 1976/ 91/ 3.17H R= 6.3RE	14- 1976/ 91/ 23.83H R= 19.1RE
5- 1976/ 91/ 4.92H R= 5.9RE	15- 1976/ 92/ 3.83H R= 19.7RE
6- 1976/ 91/ 5.25H R= 2.1RE	16- 1976/ 92/ 4.83H R= 20.3RE
7- 1976/ 91/ 5.92H R= 1.0RE	17- 1976/ 92/ 7.33H R= 20.3RE
8- 1976/ 91/ 6.72H R= 3.4RE	18- 1976/ 92/ 10.83H R= 20.0RE
9- 1976/ 91/ 7.83H R= 5.6RE	19- 1976/ 92/ 17.33H R= 18.1RE
10- 1976/ 91/ 9.33H R= 8.1RE	20- 1976/ 92/ 22.00H R= 15.5RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 90/21.00H TO 1976/ 92/22.00H



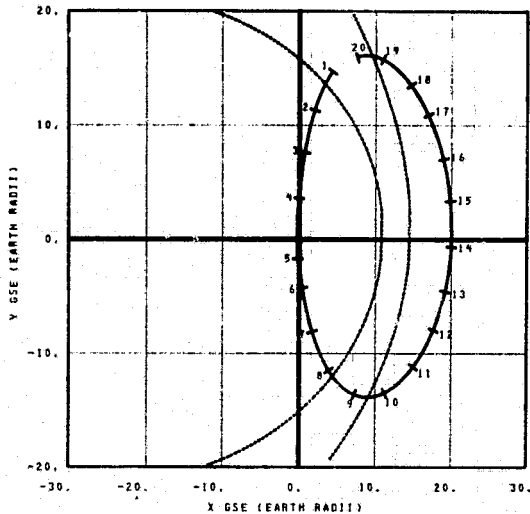
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 90/ 21.17H R= 13.6RE	11- 1976/ 91/ 11.25H R= 10.41E
2- 1976/ 90/ 23.83H R= 10.9RE	12- 1976/ 91/ 14.17H R= 13.6RE
3- 1976/ 91/ 1.83H R= 8.3RE	13- 1976/ 91/ 18.00H R= 14.4RE
4- 1976/ 91/ 3.17H R= 6.3RE	14- 1976/ 91/ 23.83H R= 19.1RE
5- 1976/ 91/ 4.92H R= 5.9RE	15- 1976/ 92/ 3.83H R= 19.7RE
6- 1976/ 91/ 5.25H R= 2.1RE	16- 1976/ 92/ 4.83H R= 20.3RE
7- 1976/ 91/ 5.92H R= 1.0RE	17- 1976/ 92/ 7.33H R= 20.3RE
8- 1976/ 91/ 6.72H R= 3.4RE	18- 1976/ 92/ 10.83H R= 20.0RE
9- 1976/ 91/ 7.83H R= 5.6RE	19- 1976/ 92/ 17.33H R= 18.1RE
10- 1976/ 91/ 9.33H R= 8.1RE	20- 1976/ 92/ 22.00H R= 15.5RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 90/21.00H TO 1976/ 92/22.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 92/ 22.17H	LAT= 69.5	11- 1976/ 94/ 2.00H	LAT= 79.6
2- 1976/ 93/ 2.50H	LAT= 59.1	12- 1976/ 94/ 4.00H	LAT= 80.9
3- 1976/ 93/ 5.70H	LAT= 40.9	13- 1976/ 94/ 5.50H	LAT= 81.4
4- 1976/ 93/ 7.17H	LAT= 6.0	14- 1976/ 94/ 7.00H	LAT= 81.7
5- 1976/ 93/ 8.92H	LAT= -79.4	15- 1976/ 94/ 8.50H	LAT= 81.6
6- 1976/ 93/ 10.33H	LAT= 21.4	16- 1976/ 94/ 10.07H	LAT= 81.2
7- 1976/ 93/ 12.67H	LAT= 50.8	17- 1976/ 94/ 12.50H	LAT= 80.3
8- 1976/ 93/ 15.03H	LAT= 63.5	18- 1976/ 94/ 14.00H	LAT= 78.9
9- 1976/ 93/ 19.67H	LAT= 72.0	19- 1976/ 94/ 17.50H	LAT= 75.9
10- 1976/ 93/ 23.17H	LAT= 76.9	20- 1976/ 94/ 21.50H	LAT= 71.4

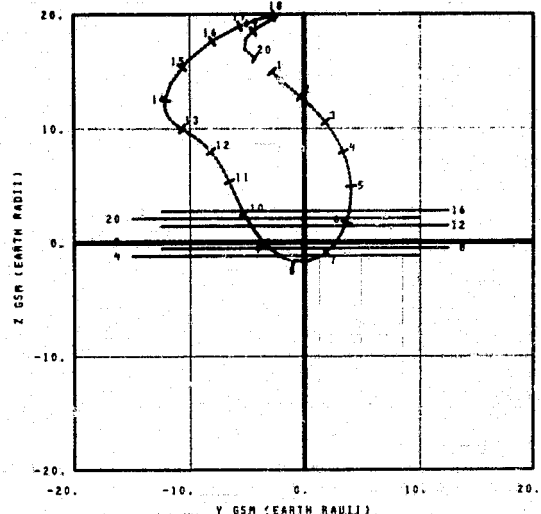
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/ 92/22.00H TO 1976/ 94/23.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 92/ 22.17H	R= 15.4R _E	11- 1976/ 93/ 12.92H	R= 9.6R _E
2- 1976/ 93/ 2.50H	R= 12.9R _E	12- 1976/ 93/ 15.33H	R= 11.6R _E
3- 1976/ 93/ 5.70H	R= 10.8R _E	13- 1976/ 93/ 18.03H	R= 14.0R _E
4- 1976/ 93/ 7.17H	R= 8.7R _E	14- 1976/ 93/ 23.33H	R= 17.6R _E
5- 1976/ 93/ 8.92H	R= 6.3R _E	15- 1976/ 94/ 2.50H	R= 18.4R _E
6- 1976/ 93/ 10.33H	R= 4.0R _E	16- 1976/ 94/ 5.00H	R= 19.4R _E
7- 1976/ 93/ 12.67H	R= 2.1R _E	17- 1976/ 94/ 7.00H	R= 20.0R _E
8- 1976/ 93/ 15.03H	R= 1.9R _E	18- 1976/ 94/ 10.50H	R= 20.3R _E
9- 1976/ 93/ 19.67H	R= 3.9R _E	19- 1976/ 94/ 17.50H	R= 19.2R _E
10- 1976/ 93/ 23.17H	R= 6.0R _E	20- 1976/ 94/ 21.50H	R= 16.1R _E

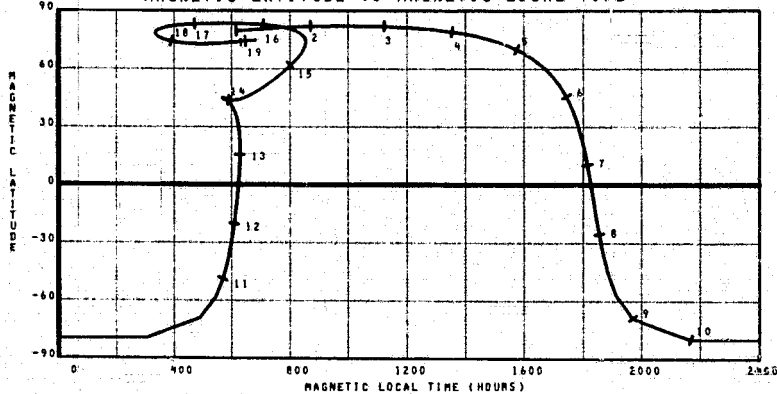
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/ 92/22.00H TO 1976/ 94/23.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



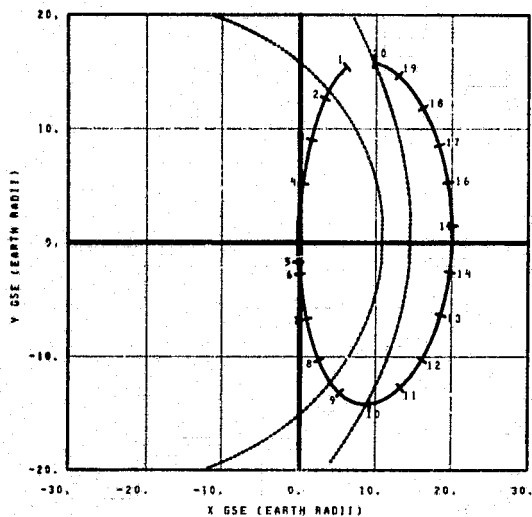
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 92/ 22.17H	R= 15.4R _E	11- 1976/ 93/ 12.92H	R= 9.6R _E
2- 1976/ 93/ 2.50H	R= 12.9R _E	12- 1976/ 93/ 15.33H	R= 11.6R _E
3- 1976/ 93/ 5.70H	R= 10.8R _E	13- 1976/ 93/ 18.03H	R= 14.0R _E
4- 1976/ 93/ 7.17H	R= 8.7R _E	14- 1976/ 93/ 23.33H	R= 17.6R _E
5- 1976/ 93/ 8.92H	R= 6.3R _E	15- 1976/ 94/ 2.50H	R= 18.4R _E
6- 1976/ 93/ 10.33H	R= 4.0R _E	16- 1976/ 94/ 5.00H	R= 19.4R _E
7- 1976/ 93/ 12.67H	R= 2.1R _E	17- 1976/ 94/ 7.00H	R= 20.0R _E
8- 1976/ 93/ 15.03H	R= 1.9R _E	18- 1976/ 94/ 10.50H	R= 20.3R _E
9- 1976/ 93/ 19.67H	R= 3.9R _E	19- 1976/ 94/ 17.50H	R= 19.2R _E
10- 1976/ 93/ 23.17H	R= 6.0R _E	20- 1976/ 94/ 21.50H	R= 16.1R _E

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/ 92/22.00H TO 1976/ 94/23.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

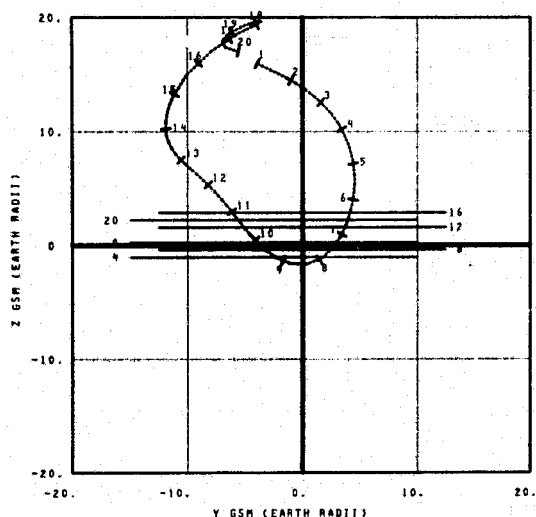


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 94/ 23.50H	LAT= 48.4	11-1976/ 96/ 4.33H	LAT= 70.8
2-1976/ 95/ 4.17H	LAT= 59.4	12-1976/ 96/ 6.33H	LAT= 60.3
3-1976/ 95/ 7.67H	LAT= 47.1	13-1976/ 96/ 8.33H	LAT= 81.3
4-1976/ 95/ 10.17H	LAT= 24.7	14-1976/ 96/ 9.83H	LAT= 81.7
5-1976/ 95/ 12.17H	LAT= -75.5	15-1976/ 96/ 11.33H	LAT= 81.7
6-1976/ 95/ 12.83H	LAT= -6.9	16-1976/ 96/ 12.83H	LAT= 81.9
7-1976/ 95/ 14.92H	LAT= 42.3	17-1976/ 96/ 15.33H	LAT= 80.8
8-1976/ 95/ 17.67H	LAT= 58.0	18-1976/ 96/ 16.33H	LAT= 79.4
9-1976/ 95/ 21.33H	LAT= 49.0	19-1976/ 96/ 19.33H	LAT= 77.3
10-1976/ 96/ 1.17H	LAT= 75.3	20-1976/ 96/ 22.83H	LAT= 73.7

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 94/23.00H TO 1976/ 97/ 0.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

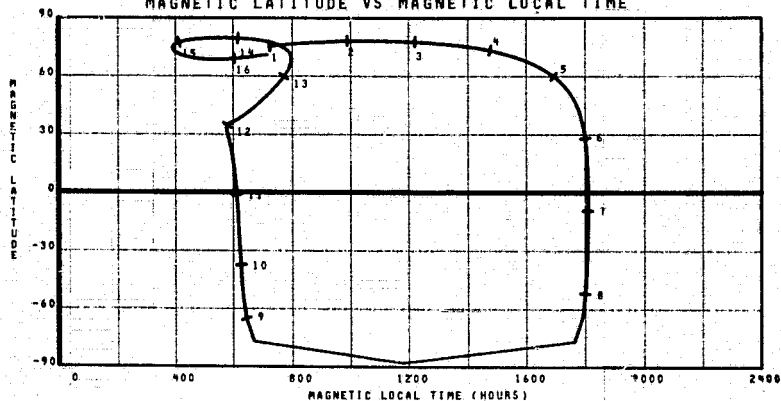


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 94/ 23.50H	R= 14.6Re	11-1976/ 95/ 15.00H	R= 4.9Re
2-1976/ 95/ 2.33H	R= 14.6Re	12-1976/ 95/ 17.00H	R= 9.9Re
3-1976/ 95/ 4.50H	R= 12.0Re	13-1976/ 95/ 28.00H	R= 13.0Re
4-1976/ 95/ 6.33H	R= 10.0Re	14-1976/ 95/ 23.50H	R= 15.0Re
5-1976/ 95/ 8.17H	R= 8.5Re	15-1976/ 96/ 2.33H	R= 17.5Re
6-1976/ 95/ 9.75H	R= 6.0Re	16-1976/ 96/ 4.83H	R= 18.6Re
7-1976/ 95/ 11.00H	R= 3.6Re	17-1976/ 96/ 7.33H	R= 19.0Re
8-1976/ 95/ 11.83H	R= 1.9Re	18-1976/ 96/ 10.33H	R= 20.0Re
9-1976/ 95/ 12.50H	R= 2.2Re	19-1976/ 96/ 17.83H	R= 19.9Re
10-1976/ 95/ 13.52H	R= 4.2Re	20-1976/ 96/ 23.83H	R= 18.1Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 94/23.00H TO 1976/ 97/ 0.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

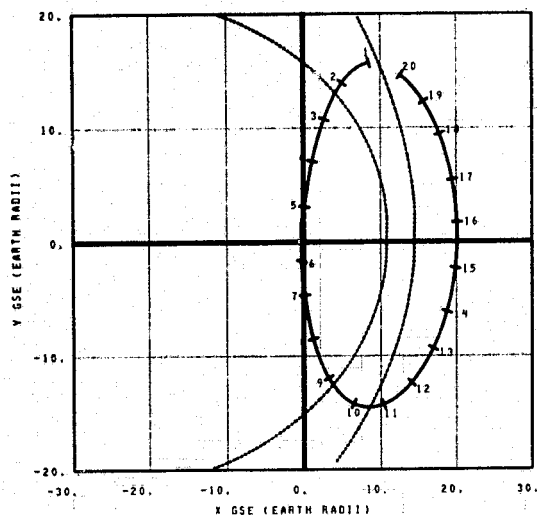


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/ 94/ 23.50H	R= 14.6Re	8-1976/ 95/ 11.92H	R= 1.0Re	15-1976/ 96/ 13.83H	R= 20.5Re
2-1976/ 95/ 2.33H	R= 14.6Re	9-1976/ 95/ 12.33H	R= 1.0Re	16-1976/ 96/ 21.83H	R= 19.4Re
3-1976/ 95/ 3.33H	R= 15.0Re	10-1976/ 95/ 12.50H	R= 2.2Re		
4-1976/ 95/ 5.17H	R= 12.1Re	11-1976/ 95/ 13.33H	R= 3.6Re		
5-1976/ 95/ 7.83H	R= 8.9Re	12-1976/ 95/ 17.92H	R= 18.0Re		
6-1976/ 95/ 11.50H	R= 4.9Re	13-1976/ 96/ 9.33H	R= 18.0Re		
7-1976/ 95/ 11.50H	R= 2.5Re	14-1976/ 96/ 11.33H	R= 20.5Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 94/23.00H TO 1976/ 97/ 0.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

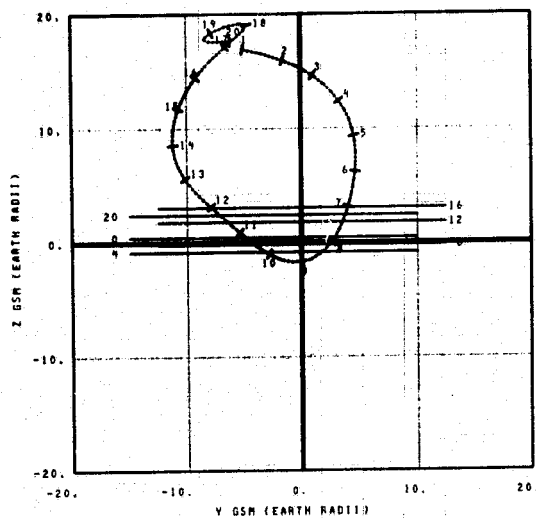


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 97/ 0.33H	LAT= 72.0	11- 1976/ 98/ 0.33H	LAT= 77.0
2- 1976/ 97/ 5.33H	LAT= 64.2	12- 1976/ 98/ 0.50H	LAT= 79.5
3- 1976/ 97/ 9.33H	LAT= 53.9	13- 1976/ 98/ 10.50H	LAT= 80.8
4- 1976/ 97/ 12.25H	LAT= 38.1	14- 1976/ 98/ 12.00H	LAT= 81.9
5- 1976/ 97/ 14.42H	LAT= -3.1	15- 1976/ 98/ 13.50H	LAT= 81.7
6- 1976/ 97/ 15.33H	LAT= -40.8	16- 1976/ 98/ 15.00H	LAT= 81.6
7- 1976/ 97/ 16.97H	LAT= 25.0	17- 1976/ 98/ 16.50H	LAT= 81.3
8- 1976/ 97/ 19.33H	LAT= 51.2	18- 1976/ 98/ 18.50H	LAT= 80.3
9- 1976/ 97/ 22.50H	LAT= 64.1	19- 1976/ 98/ 20.50H	LAT= 79.9
10- 1976/ 98/ 2.33H	LAT= 72.3	20- 1976/ 98/ 23.50H	LAT= 74.5

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/ 97/ 0.00H TO 1976/ 99/ 1.00H

HAWKEYE-1 PROJECTED ONTO THE GSM V-Z PLANE

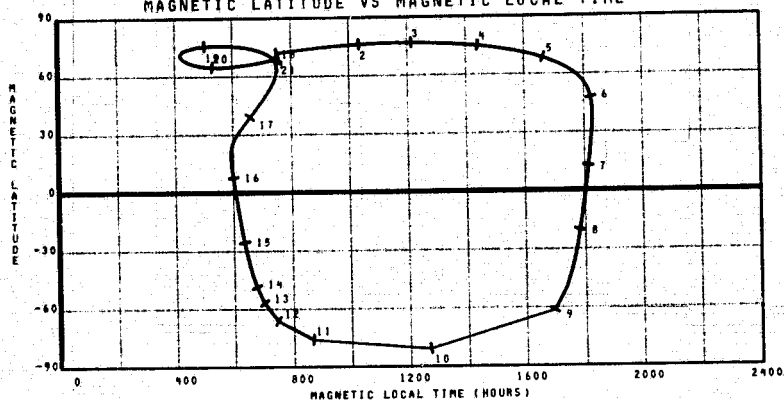


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 97/ 0.33H	R= 17.9RE	11- 1976/ 97/ 17.45H	R= 5.6RE
2- 1976/ 97/ 3.33H	R= 16.2RE	12- 1976/ 97/ 19.33H	R= 6.6RE
3- 1976/ 97/ 9.33H	R= 14.0RE	13- 1976/ 97/ 21.03H	R= 11.6RE
4- 1976/ 97/ 7.50H	R= 13.0RE	14- 1976/ 98/ 0.50H	R= 14.2RE
5- 1976/ 97/ 0.83H	R= 10.5RE	15- 1976/ 98/ 3.00H	R= 16.0RE
6- 1976/ 97/ 11.03H	R= 7.8RE	16- 1976/ 98/ 5.17H	R= 17.3RE
7- 1976/ 97/ 13.42H	R= 9.2RE	17- 1976/ 98/ 8.00H	R= 18.6RE
8- 1976/ 97/ 14.67H	R= 2.6RE	18- 1976/ 98/ 12.50H	R= 19.9RE
9- 1976/ 97/ 15.42H	R= 1.7RE	19- 1976/ 98/ 18.50H	R= 26.2RE
10- 1976/ 97/ 16.20H	R= 3.6RE	20- 1976/ 98/ 1.00H	R= 10.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/ 97/ 0.00H TO 1976/ 99/ 1.00H

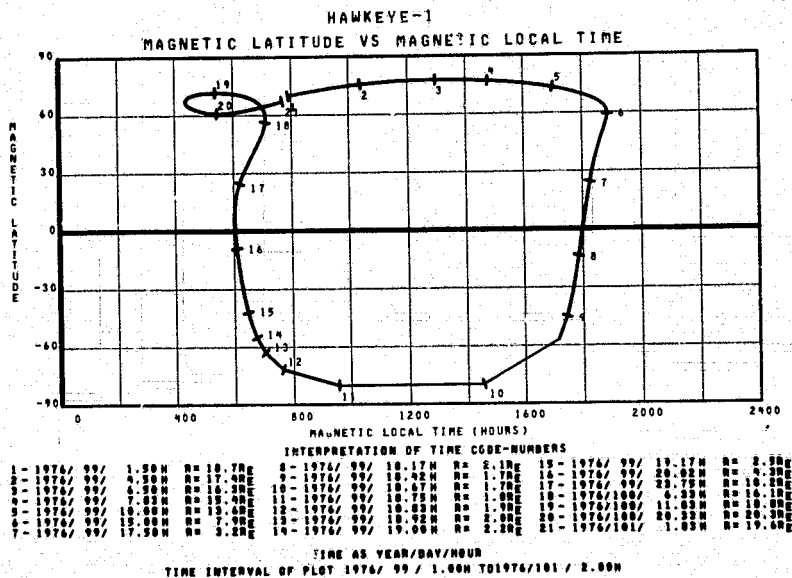
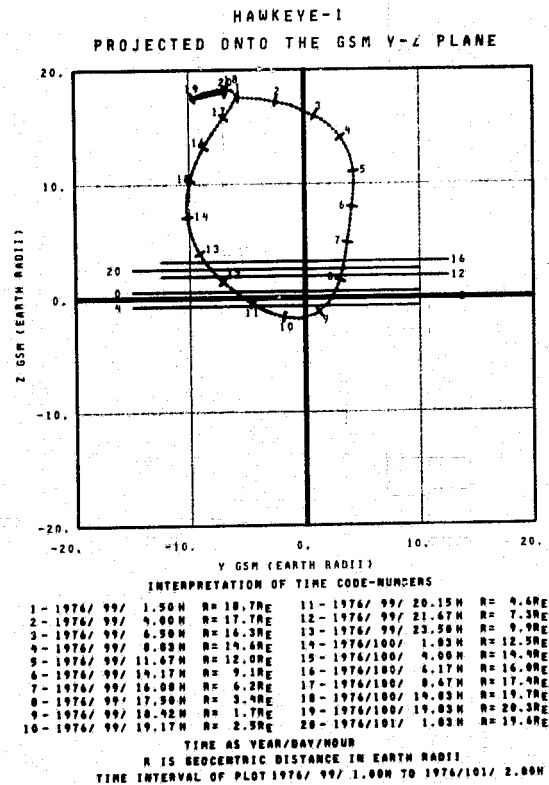
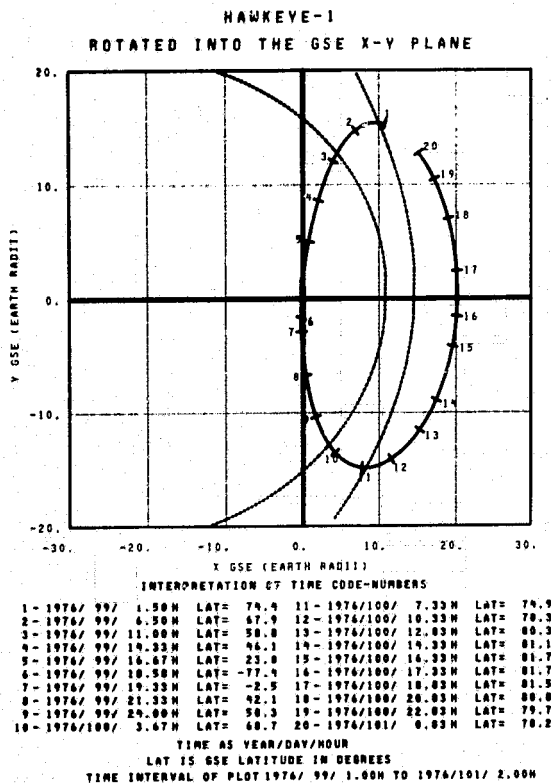
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

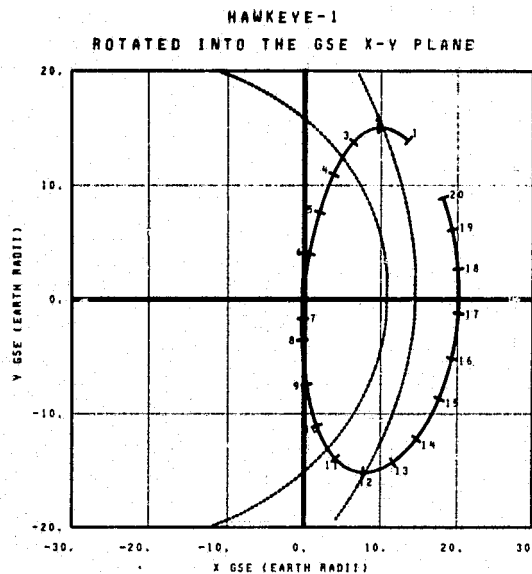


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/ 97/ 0.33H	R= 17.9RE	8- 1976/ 97/ 14.42H	R= 2.1RE	15- 1976/ 97/ 14.67H	R= 2.6RE
2- 1976/ 97/ 3.33H	R= 16.2RE	9- 1976/ 97/ 19.25H	R= 1.7RE	16- 1976/ 97/ 17.33H	R= 14.2RE
3- 1976/ 97/ 4.67H	R= 15.3RE	10- 1976/ 97/ 19.42H	R= 1.6RE	17- 1976/ 98/ 1.00H	R= 10.9RE
4- 1976/ 97/ 4.33H	R= 14.0RE	11- 1976/ 97/ 19.42H	R= 1.6RE	18- 1976/ 98/ 12.50H	R= 19.9RE
5- 1976/ 97/ 6.67H	R= 11.0RE	12- 1976/ 97/ 19.50H	R= 1.6RE	19- 1976/ 98/ 18.50H	R= 26.2RE
6- 1976/ 97/ 12.50H	R= 6.6RE	13- 1976/ 97/ 19.67H	R= 2.1RE	20- 1976/ 98/ 1.00H	R= 10.9RE
7- 1976/ 97/ 14.42H	R= 3.1RE	14- 1976/ 97/ 19.67H	R= 2.1RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/ 97/ 0.00H TO 1976/ 99/ 1.00H

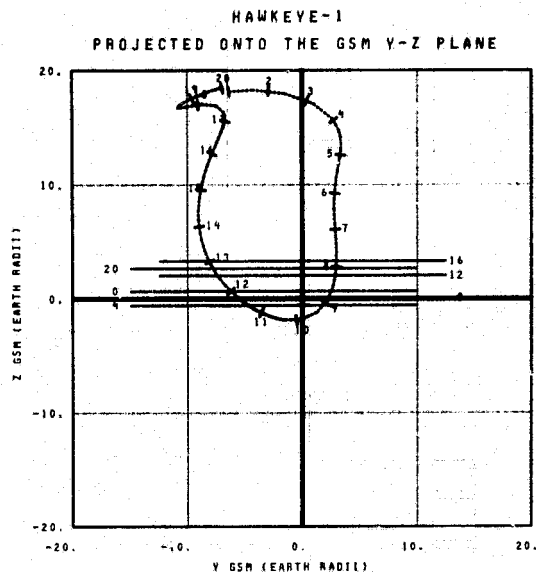




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/101/ 2.33H	LAT= 76.9	11- 1976/102/ 7.33H	LAT= 69.4
2- 1976/101/ 6.03H	LAT= 72.0	12- 1976/102/ 11.00H	LAT= 75.4
3- 1976/101/ 11.33H	LAT= 65.2	13- 1976/102/ 14.00H	LAT= 76.7
4- 1976/101/ 15.33H	LAT= 55.6	14- 1976/102/ 16.00H	LAT= 80.2
5- 1976/101/ 18.25H	LAT= 41.7	15- 1976/102/ 18.00H	LAT= 81.3
6- 1976/101/ 20.42H	LAT= 32.5	16- 1976/102/ 19.50H	LAT= 81.7
7- 1976/101/ 21.75H	LAT= -91.6	17- 1976/102/ 21.07H	LAT= 81.7
8- 1976/101/ 22.07H	LAT= 11.5	18- 1976/102/ 22.57H	LAT= 81.4
9- 1976/102/ 1.00H	LAT= 46.6	19- 1976/102/ 24.00H	LAT= 80.9
10- 1976/102/ 3.03H	LAT= 60.6	20- 1976/103/ 1.50H	LAT= 80.0

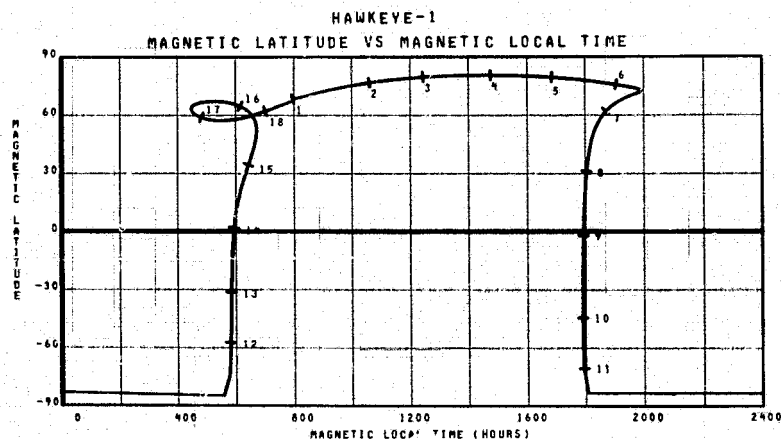
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/101/ 2.00H TO 1976/103/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/101/ 2.33H	R= 19.5Re	11- 1976/101/ 22.97H	R= 3.0Re
2- 1976/101/ 6.03H	R= 18.7Re	12- 1976/102/ 0.25H	R= 4.2Re
3- 1976/101/ 7.33H	R= 17.6Re	13- 1976/102/ 1.03H	R= 0.7Re
4- 1976/101/ 10.00H	R= 16.1Re	14- 1976/102/ 3.67H	R= 11.0Re
5- 1976/101/ 12.67H	R= 13.2Re	15- 1976/102/ 5.67H	R= 13.0Re
6- 1976/101/ 16.03H	R= 9.0Re	16- 1976/102/ 8.00H	R= 15.0Re
7- 1976/101/ 19.92H	R= 4.8Re	17- 1976/102/ 11.17H	R= 17.1Re
8- 1976/101/ 20.92H	R= 9.0Re	18- 1976/102/ 17.00H	R= 19.4Re
9- 1976/101/ 21.02H	R= 2.0Re	19- 1976/103/ 0.50H	R= 20.3Re
10- 1976/101/ 22.00H	R= 2.0Re	20- 1976/103/ 3.00H	R= 20.0Re

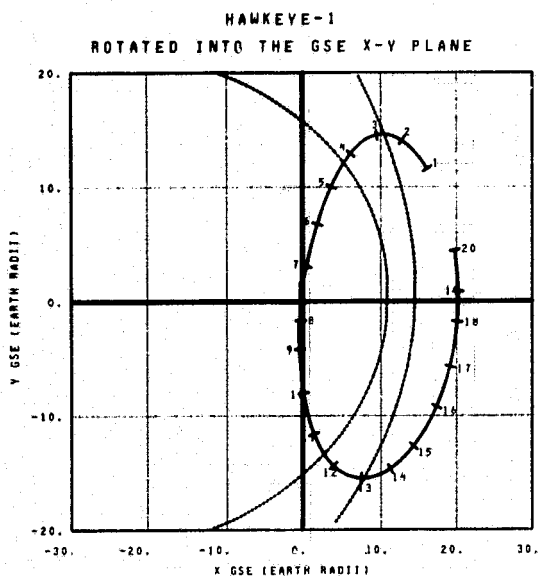
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/101/ 2.00H TO 1976/103/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/101/ 2.33H	R= 19.5Re	8- 1976/101/ 20.03H	R= 3.2Re	15- 1976/102/ 5.50H	R= 16.9Re
2- 1976/101/ 6.03H	R= 18.0Re	9- 1976/101/ 21.33H	R= 3.1Re	16- 1976/102/ 9.03H	R= 14.3Re
3- 1976/101/ 7.33H	R= 17.6Re	10- 1976/101/ 21.67H	R= 1.7Re	17- 1976/102/ 10.00H	R= 19.7Re
4- 1976/101/ 8.03H	R= 16.0Re	11- 1976/101/ 21.83H	R= 1.7Re	18- 1976/102/ 10.00H	R= 20.2Re
5- 1976/101/ 9.50H	R= 15.0Re	12- 1976/101/ 22.10H	R= 3.8Re		
6- 1976/101/ 13.00H	R= 13.0Re	13- 1976/101/ 22.65H	R= 5.1Re		
7- 1976/101/ 19.33H	R= 6.1Re	14- 1976/101/ 23.92H	R= 9.6Re		

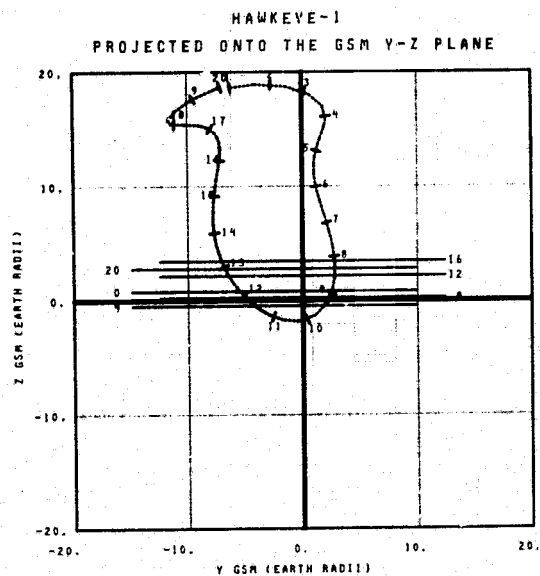
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/101/ 2.00H TO 1976/103/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/103/ 3.50H	LAT= 70.6	11- 1976/104/ 7.50H	LAT= 62.1
2- 1976/103/ 7.00H	LAT= 75.9	12- 1976/104/ 11.00H	LAT= 70.9
3- 1976/103/ 11.00H	LAT= 70.9	13- 1976/104/ 14.50H	LAT= 75.0
4- 1976/103/ 15.67H	LAT= 63.1	14- 1976/104/ 17.33H	LAT= 70.8
5- 1976/103/ 19.33H	LAT= 52.9	15- 1976/104/ 19.33H	LAT= 80.3
6- 1976/103/ 22.00H	LAT= 37.6	16- 1976/104/ 21.33H	LAT= 81.3
7- 1976/104/ 0.00H	LAT= -3.3	17- 1976/104/ 22.00H	LAT= 81.7
8- 1976/104/ 1.00H	LAT= -7.5	18- 1976/105/ 0.33H	LAT= 81.7
9- 1976/104/ 2.30H	LAT= 20.5	19- 1976/105/ 1.33H	LAT= 81.5
10- 1976/104/ 4.50H	LAT= 40.8	20- 1976/105/ 2.03H	LAT= 81.0

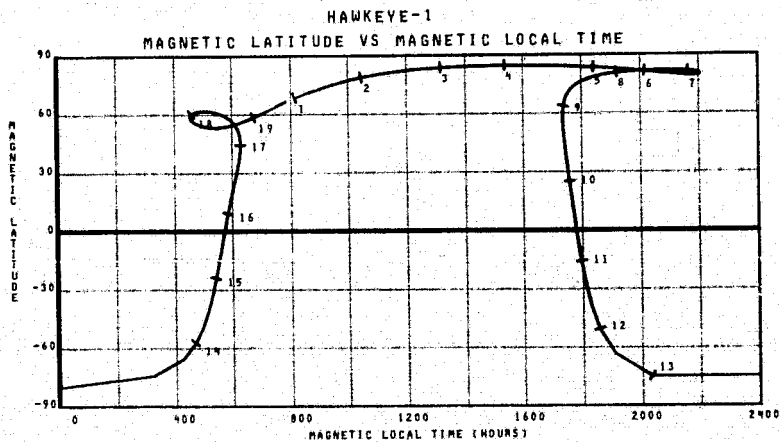
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/103/ 3.00H TO 1976/105/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/103/ 3.50H	R= 19.9RE	11- 1976/104/ 1.03H	R= 3.0RE
2- 1976/103/ 6.00H	R= 19.4RE	12- 1976/104/ 2.92H	R= 5.2RE
3- 1976/103/ 8.50H	R= 18.5RE	13- 1976/104/ 4.25H	R= 7.5RE
4- 1976/103/ 12.50H	R= 16.5RE	14- 1976/104/ 5.03H	R= 9.7RE
5- 1976/103/ 16.67H	R= 13.4RE	15- 1976/104/ 7.03H	R= 12.0RE
6- 1976/103/ 19.67H	R= 10.3RE	16- 1976/104/ 10.33H	R= 14.3RE
7- 1976/103/ 21.00H	R= 7.3RE	17- 1976/104/ 14.50H	R= 17.1RE
8- 1976/103/ 23.25H	R= 4.8RE	18- 1976/104/ 19.33H	R= 19.2RE
9- 1976/104/ 0.33H	R= 2.6RE	19- 1976/105/ 1.03H	R= 20.3RE
10- 1976/104/ 1.00H	R= 1.7RE	20- 1976/105/ 3.03H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/103/ 3.00H TO 1976/105/ 4.00H



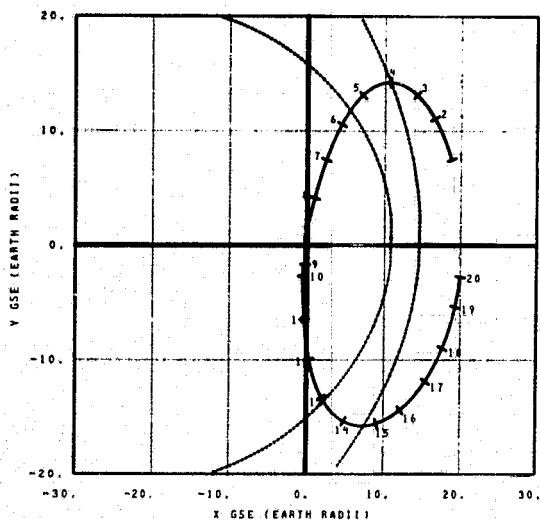
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/103/ 3.50H	R= 19.9RE	11- 1976/104/ 1.03H	R= 3.0RE
2- 1976/103/ 6.00H	R= 19.4RE	12- 1976/104/ 2.92H	R= 5.2RE
3- 1976/103/ 8.50H	R= 18.5RE	13- 1976/104/ 4.25H	R= 7.5RE
4- 1976/103/ 12.50H	R= 16.5RE	14- 1976/104/ 5.03H	R= 9.7RE
5- 1976/103/ 16.67H	R= 13.4RE	15- 1976/104/ 7.03H	R= 12.0RE
6- 1976/103/ 19.67H	R= 10.3RE	16- 1976/104/ 10.33H	R= 14.3RE
7- 1976/103/ 21.00H	R= 7.3RE	17- 1976/104/ 14.50H	R= 17.1RE
8- 1976/103/ 23.25H	R= 4.8RE	18- 1976/104/ 19.33H	R= 19.2RE
9- 1976/104/ 0.33H	R= 2.6RE	19- 1976/105/ 1.03H	R= 20.3RE
10- 1976/104/ 1.00H	R= 1.7RE	20- 1976/105/ 3.03H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/103 / 3.00H TO 1976/105 / 4.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/105/ 4.33H	LAT= 80.3	11- 1976/106/ 6.03H	LAT= 40.5
2- 1976/105/ 6.03H	LAT= 70.6	12- 1976/106/ 9.25H	LAT= 54.6
3- 1976/105/ 9.33H	LAT= 76.9	13- 1976/106/ 12.50H	LAT= 66.9
4- 1976/105/ 13.33H	LAT= 72.0	14- 1976/106/ 16.00H	LAT= 73.9
5- 1976/105/ 18.00H	LAT= 64.9	15- 1976/106/ 19.50H	LAT= 77.8
6- 1976/105/ 21.03H	LAT= 55.5	16- 1976/106/ 21.50H	LAT= 79.5
7- 1976/106/ 0.67H	LAT= 42.0	17- 1976/106/ 23.50H	LAT= 80.5
8- 1976/106/ 2.75H	LAT= 35.3	18- 1976/107/ 1.00H	LAT= 81.9
9- 1976/106/ 4.25H	LAT= -76.0	19- 1976/107/ 2.50H	LAT= 81.7
10- 1976/106/ 4.92H	LAT= -5.5	20- 1976/107/ 3.50H	LAT= 81.7

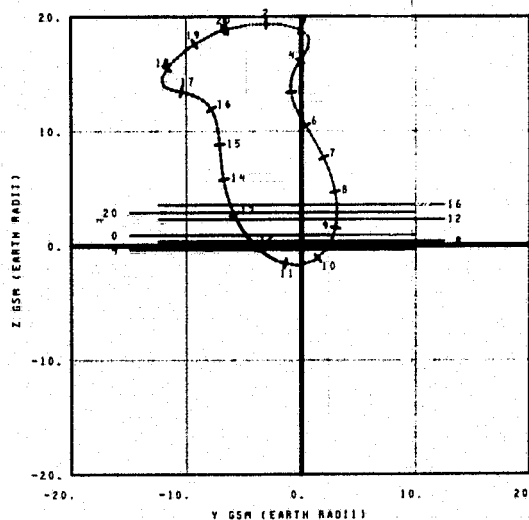
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/105/ 4.00H TO 1976/107/ 5.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/105/ 4.33H	R= 20.2Re	11- 1976/106/ 4.67H	R= 2.2Re
2- 1976/105/ 6.03H	R= 19.9Re	12- 1976/106/ 5.57H	R= 4.1Re
3- 1976/105/ 9.03H	R= 19.2Re	13- 1976/106/ 6.03H	R= 6.5Re
4- 1976/105/ 13.03H	R= 16.5Re	14- 1976/106/ 8.42H	R= 8.9Re
5- 1976/105/ 19.50H	R= 13.8Re	15- 1976/106/ 10.42H	R= 11.3Re
6- 1976/105/ 22.50H	R= 10.7Re	16- 1976/106/ 13.50H	R= 14.3Re
7- 1976/106/ 0.50H	R= 8.1Re	17- 1976/106/ 17.47H	R= 17.1Re
8- 1976/106/ 2.00H	R= 5.7Re	18- 1976/106/ 24.00H	R= 19.6Re
9- 1976/106/ 3.17H	R= 3.4Re	19- 1976/107/ 3.00H	R= 20.1Re
10- 1976/106/ 4.00H	R= 1.8Re	20- 1976/107/ 5.00H	R= 28.3Re

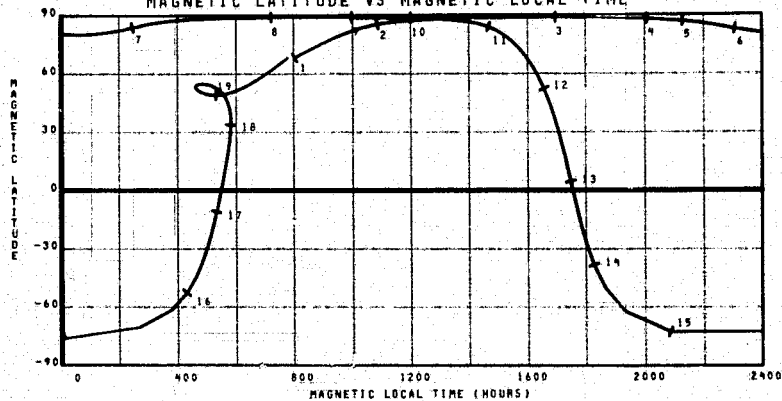
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/105/ 4.00H TO 1976/107/ 5.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



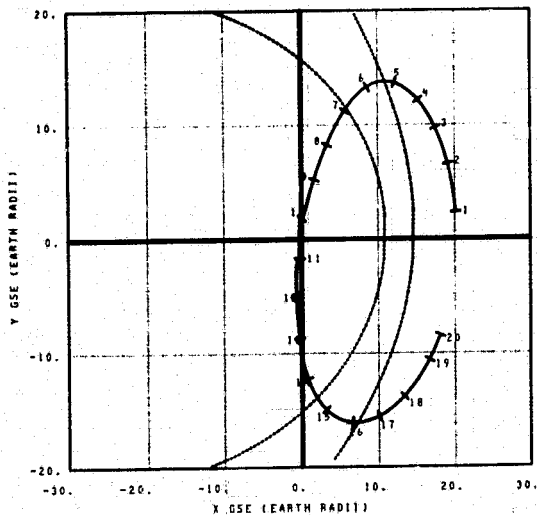
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/105/ 4.33H	R= 20.2Re	8- 1976/105/ 21.03H	R= 11.7Re	15- 1976/106/ 4.25H	R= 1.7Re
2- 1976/105/ 6.03H	R= 19.9Re	9- 1976/105/ 21.50H	R= 11.5Re	16- 1976/106/ 4.92H	R= 2.1Re
3- 1976/105/ 9.03H	R= 19.2Re	10- 1976/105/ 22.00H	R= 11.3Re	17- 1976/106/ 5.22H	R= 3.4Re
4- 1976/105/ 11.22H	R= 18.7Re	11- 1976/105/ 23.00H	R= 10.1Re	18- 1976/106/ 8.22H	R= 10.1Re
5- 1976/105/ 13.03H	R= 16.5Re	12- 1976/106/ 2.25H	R= 5.2Re	19- 1976/106/ 20.00H	R= 10.2Re
6- 1976/105/ 17.00H	R= 17.6Re	13- 1976/106/ 3.50H	R= 2.5Re		
7- 1976/105/ 19.03H	R= 13.5Re	14- 1976/106/ 4.00H	R= 1.8Re		

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/105/ 4.00H TO 1976/107/ 5.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

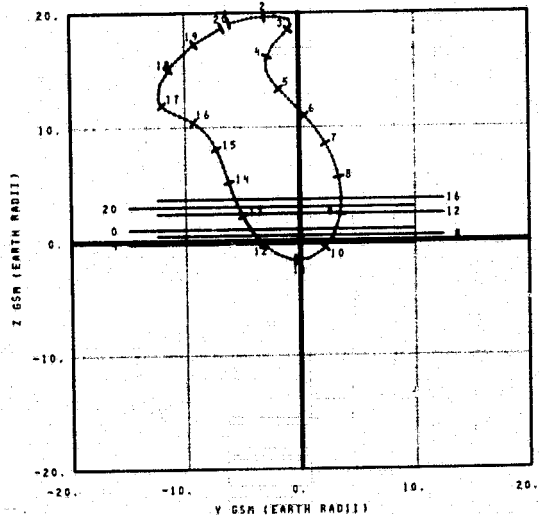


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/107/ 9.50H	11- 1976/108/ 7.42H	LAT= -81.1
2- 1976/107/ 7.50H	12- 1976/108/ 9.28H	LAT= 30.0
3- 1976/107/ 9.50H	13- 1976/108/ 11.50H	LAT= 51.6
4- 1976/107/ 12.00H	14- 1976/108/ 14.50H	LAT= 63.6
5- 1976/107/ 15.50H	15- 1976/108/ 18.00H	LAT= 71.4
6- 1976/107/ 20.00H	16- 1976/108/ 21.33H	LAT= 74.2
7- 1976/107/ 24.00H	17- 1976/108/ 23.83H	LAT= 78.8
8- 1976/108/ 3.17H	18- 1976/109/ 1.83H	LAT= 80.3
9- 1976/108/ 5.33H	19- 1976/109/ 3.83H	LAT= 81.3
10- 1976/108/ 7.17H	20- 1976/109/ 4.83H	LAT= 81.6

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/107/ 9.00H TO 1976/109/ 4.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

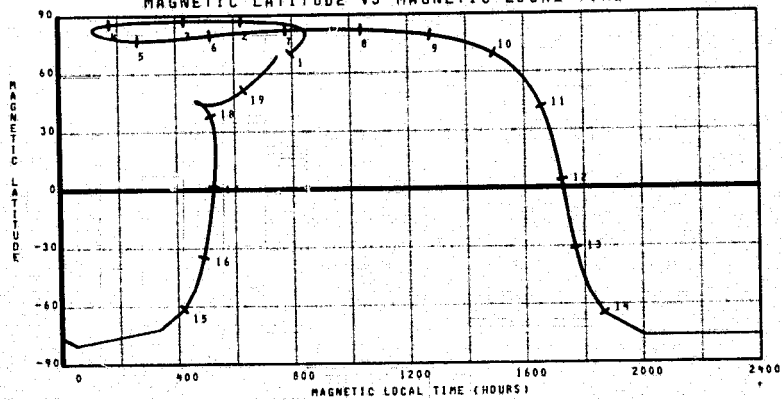


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/107/ 5.50H	R= 20.3RE	11- 1976/108/ 7.50H	R= 1.0RE
2- 1976/107/ 8.00H	R= 20.2RE	12- 1976/108/ 8.42H	R= 3.3RE
3- 1976/107/ 14.00H	R= 18.9RE	13- 1976/108/ 9.50H	R= 5.5RE
4- 1976/107/ 18.50H	R= 16.8RE	14- 1976/108/ 11.00H	R= 8.1RE
5- 1976/107/ 22.47H	R= 13.8RE	15- 1976/108/ 13.25H	R= 10.9RE
6- 1976/108/ 1.17H	R= 11.4RE	16- 1976/108/ 16.33H	R= 14.0RE
7- 1976/108/ 3.00H	R= 9.1RE	17- 1976/108/ 20.67H	R= 17.0RE
8- 1976/108/ 4.50H	R= 6.8RE	18- 1976/109/ 1.33H	R= 19.0RE
9- 1976/108/ 5.92H	R= 4.4RE	19- 1976/109/ 3.83H	R= 19.7RE
10- 1976/108/ 6.92H	R= 2.3RE	20- 1976/109/ 5.83H	R= 20.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/107/ 5.00H TO 1976/109/ 4.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

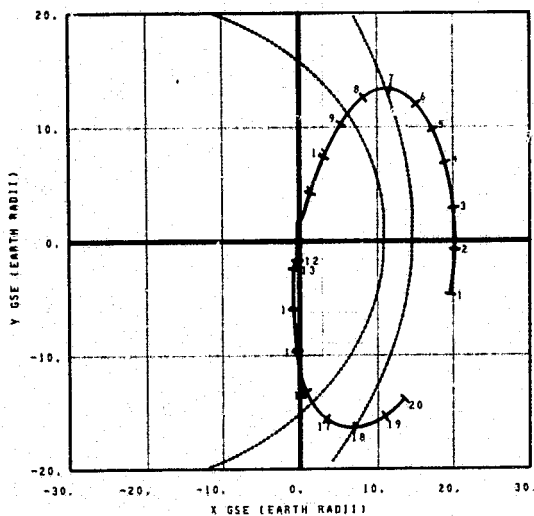


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/107/ 9.50H	R= 20.3RE	11- 1976/108/ 7.42H	R= 1.0RE
2- 1976/107/ 7.50H	R= 19.8RE	12- 1976/108/ 9.28H	R= 3.3RE
3- 1976/107/ 9.50H	R= 19.7RE	13- 1976/108/ 11.50H	R= 5.5RE
4- 1976/107/ 12.00H	R= 19.5RE	14- 1976/108/ 14.50H	R= 8.1RE
5- 1976/107/ 15.50H	R= 17.3RE	15- 1976/108/ 18.00H	R= 10.9RE
6- 1976/107/ 20.00H	R= 15.1RE	16- 1976/108/ 21.33H	R= 14.0RE
7- 1976/107/ 24.00H	R= 13.7RE	17- 1976/108/ 23.83H	R= 17.0RE
8- 1976/108/ 3.17H	R= 12.4RE	18- 1976/109/ 1.83H	R= 19.0RE
9- 1976/108/ 5.33H	R= 11.4RE	19- 1976/109/ 3.83H	R= 19.7RE
10- 1976/108/ 7.17H	R= 10.9RE	20- 1976/109/ 4.83H	R= 20.1RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/107/ 9.00H TO 1976/109/ 4.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

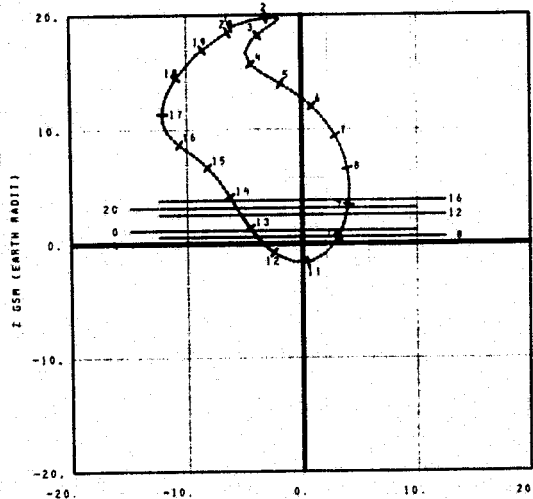
1- 1976/109/ 6.33H LAT= 81.8	11- 1976/110/ 9.00H LAT= 17.5
2- 1976/109/ 7.33H LAT= 81.6	12- 1976/110/ 10.47H LAT= -77.9
3- 1976/109/ 9.33H LAT= 81.1	13- 1976/110/ 11.25H LAT= -13.2
4- 1976/109/ 11.33H LAT= 80.0	14- 1976/110/ 13.00H LAT= 37.2
5- 1976/109/ 13.33H LAT= 78.6	15- 1976/110/ 15.42H LAT= 95.2
6- 1976/109/ 15.03H LAT= 76.4	16- 1976/110/ 18.47H LAT= 66.1
7- 1976/109/ 19.03H LAT= 72.0	17- 1976/110/ 22.17H LAT= 72.0
8- 1976/110/ 6.33H LAT= 65.2	18- 1976/111/ 1.33H LAT= 77.0
9- 1976/110/ 6.17H LAT= 55.8	19- 1976/111/ 4.00H LAT= 79.3
10- 1976/110/ 7.00H LAT= 42.7	20- 1976/111/ 5.50H LAT= 80.6

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/109/ 4.00H TO 1976/111/ 7.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/109/ 6.33H R= 20.1RE	11- 1976/110/ 10.50H R= 1.7RE
2- 1976/109/ 7.33H R= 20.3RE	12- 1976/110/ 11.33H R= 2.7RE
3- 1976/109/ 9.33H R= 19.6RE	13- 1976/110/ 12.33H R= 4.0RE
4- 1976/109/ 11.03H R= 16.7RE	14- 1976/110/ 13.92H R= 7.5RE
5- 1976/110/ 1.00H R= 14.5RE	15- 1976/110/ 16.17H R= 10.6RE
6- 1976/110/ 3.33H R= 12.5RE	16- 1976/110/ 19.33H R= 13.0RE
7- 1976/110/ 5.33H R= 10.3RE	17- 1976/110/ 23.33H R= 16.7RE
8- 1976/110/ 7.00H R= 8.0RE	18- 1976/111/ 2.50H R= 10.3RE
9- 1976/110/ 6.50H R= 5.6RE	19- 1976/111/ 5.00H R= 19.2RE
10- 1976/110/ 9.47H R= 3.2RE	20- 1976/111/ 7.00H R= 19.7RE

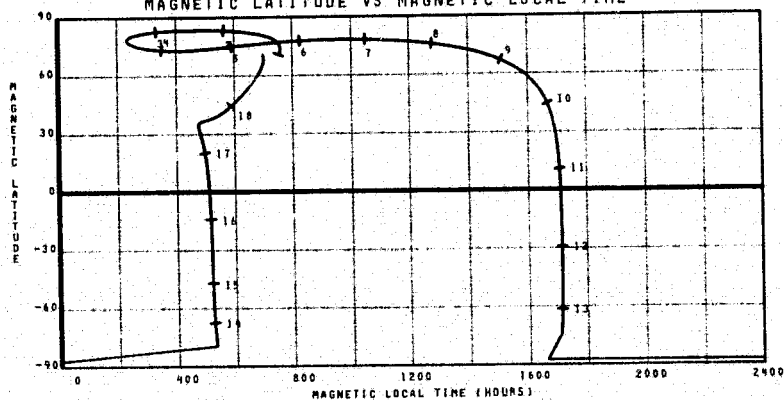
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/109/ 4.00H TO 1976/111/ 7.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

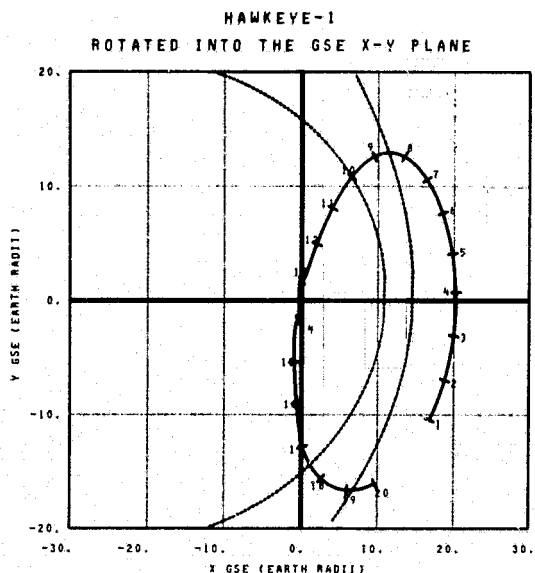


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/109/ 6.33H R= 20.1RE	8- 1976/110/ 3.17H R= 12.6RE	15- 1976/110/ 11.00H R= 2.0RE
2- 1976/109/ 7.33H R= 20.3RE	9- 1976/110/ 5.33H R= 10.3RE	16- 1976/110/ 11.43H R= 2.9RE
3- 1976/109/ 9.33H R= 19.6RE	10- 1976/110/ 8.17H R= 6.2RE	17- 1976/110/ 12.77H R= 5.6RE
4- 1976/109/ 11.03H R= 16.7RE	11- 1976/110/ 9.47H R= 3.2RE	18- 1976/110/ 23.67H R= 16.7RE
5- 1976/109/ 13.33H R= 14.5RE	12- 1976/110/ 10.50H R= 1.7RE	
6- 1976/109/ 15.03H R= 12.5RE	13- 1976/110/ 10.50H R= 1.7RE	
7- 1976/110/ 1.00H R= 14.5RE	14- 1976/110/ 10.93H R= 1.0RE	

TIME AS YEAR/DAY/HOUR

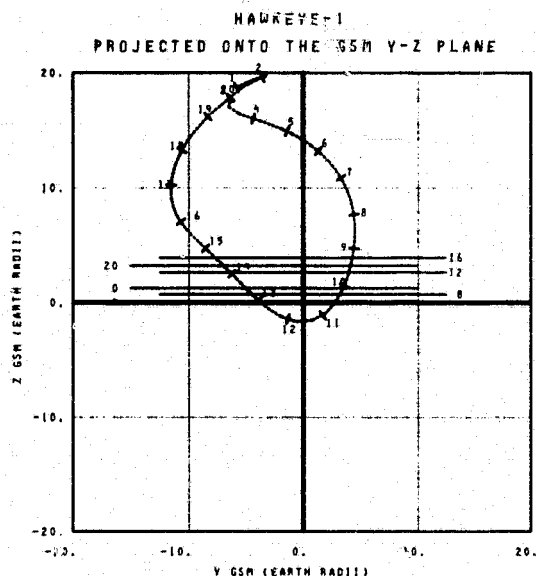
TIME INTERVAL OF PLOT 1976/109/ 4.00H TO 1976/111/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/111/ 7.50H	LAT= 81.5	11- 1976/112/ 9.50H	LAT= 47.1
2- 1976/111/ 9.00H	LAT= 81.7	12- 1976/112/ 11.03H	LAT= 26.2
3- 1976/111/ 10.50H	LAT= 81.7	13- 1976/112/ 13.67H	LAT= -44.7
4- 1976/111/ 12.00H	LAT= 81.3	14- 1976/112/ 16.00H	LAT= -61.0
5- 1976/111/ 13.50H	LAT= 80.7	15- 1976/112/ 18.92H	LAT= 33.0
6- 1976/111/ 15.00H	LAT= 79.5	16- 1976/112/ 20.17H	LAT= 52.0
7- 1976/111/ 16.00H	LAT= 77.5	17- 1976/112/ 21.50H	LAT= 65.0
8- 1976/111/ 21.50H	LAT= 73.9	18- 1976/113/ 1.17H	LAT= 72.4
9- 1976/112/ 2.50H	LAT= 67.1	19- 1976/113/ 4.33H	LAT= 76.7
10- 1976/112/ 6.33H	LAT= 59.0	20- 1976/113/ 6.03H	LAT= 79.2

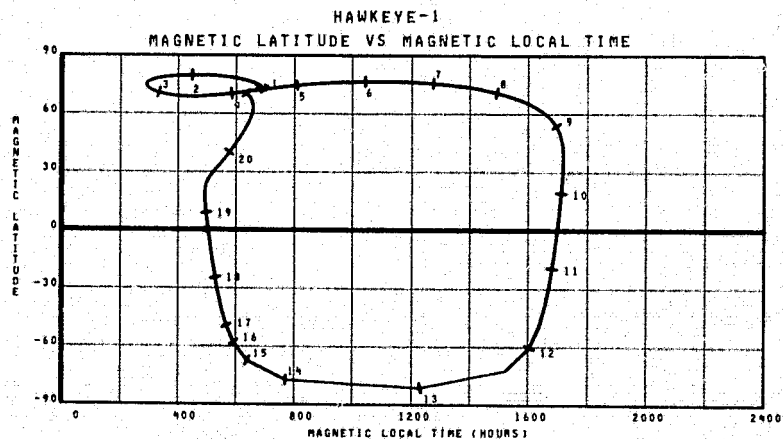
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/111/ 7.00H TO 1976/113/ 0.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/111/ 7.50H	R= 19.0RE	11- 1976/112/ 13.50H	R= 2.0RE
2- 1976/111/ 9.00H	R= 20.2RE	12- 1976/112/ 14.25H	R= 2.5RE
3- 1976/111/ 10.00H	R= 19.3RE	13- 1976/112/ 15.10H	R= 4.0RE
4- 1976/112/ 9.50H	R= 17.0RE	14- 1976/112/ 16.67H	R= 6.0RE
5- 1976/112/ 9.00H	R= 15.4RE	15- 1976/112/ 18.75H	R= 9.0RE
6- 1976/112/ 9.17H	R= 15.7RE	16- 1976/112/ 21.50H	R= 12.0RE
7- 1976/112/ 7.17H	R= 11.0RE	17- 1976/113/ 0.67H	R= 15.4RE
8- 1976/112/ 9.33H	R= 9.3RE	18- 1976/113/ 3.17H	R= 17.0RE
9- 1976/112/ 11.00H	R= 6.0RE	19- 1976/113/ 5.03H	R= 10.3RE
10- 1976/112/ 12.90H	R= 4.0RE	20- 1976/113/ 7.03H	R= 14.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/111/ 7.00H TO 1976/113/ 0.00H



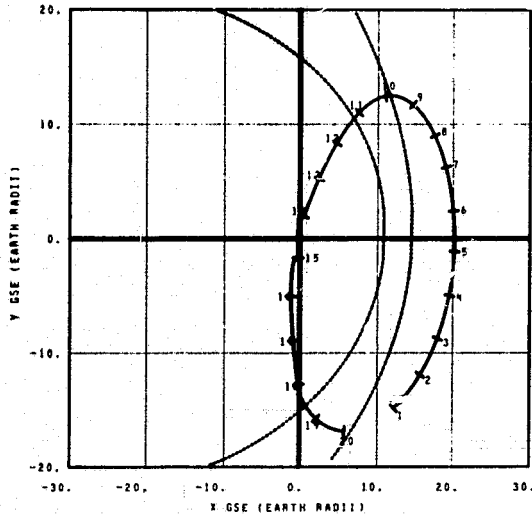
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/111/ 7.50H	R= 19.0RE	8- 1976/112/ 6.67H	R= 12.3RE	15- 1976/112/ 14.00H	R= 1.0RE
2- 1976/111/ 11.00H	R= 20.2RE	9- 1976/112/ 10.33H	R= 7.0RE	16- 1976/112/ 14.17H	R= 2.0RE
3- 1976/111/ 12.00H	R= 19.3RE	10- 1976/112/ 12.79H	R= 3.9RE	17- 1976/112/ 14.50H	R= 2.1RE
4- 1976/112/ 9.50H	R= 17.0RE	11- 1976/112/ 13.83H	R= 2.1RE	18- 1976/112/ 18.50H	R= 2.0RE
5- 1976/112/ 9.00H	R= 15.4RE	12- 1976/112/ 13.79H	R= 1.7RE	19- 1976/112/ 19.02H	R= 5.3RE
6- 1976/112/ 9.17H	R= 15.7RE	13- 1976/112/ 15.02H	R= 1.0RE	20- 1976/113/ 7.03H	R= 14.1RE
7- 1976/112/ 4.67H	R= 14.2RE	14- 1976/112/ 15.02H	R= 1.0RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/111 / 7.00H TO 1976/113 / 0.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/113/ 8.33H	LAT= 80.3	11- 1976/114/ 8.03H	LAT= 60.9
2- 1976/113/ 10.33H	LAT= 81.3	12- 1976/114/ 12.33H	LAT= 49.1
3- 1976/113/ 11.03H	LAT= 81.7	13- 1976/114/ 14.03H	LAT= 29.9
4- 1976/113/ 13.33H	LAT= 81.7	14- 1976/114/ 16.07H	LAT= -30.9
5- 1976/113/ 14.03H	LAT= 81.5	15- 1976/114/ 17.00H	LAT= -79.2
6- 1976/113/ 16.33H	LAT= 80.9	16- 1976/114/ 18.97H	LAT= -30.9
7- 1976/113/ 18.33H	LAT= 79.0	17- 1976/114/ 21.33H	LAT= 52.4
8- 1976/113/ 20.33H	LAT= 78.3	18- 1976/115/ 0.67H	LAT= 64.8
9- 1976/113/ 23.03H	LAT= 75.0	19- 1976/115/ 4.50H	LAT= 72.6
10- 1976/114/ 4.33H	LAT= 69.3	20- 1976/115/ 7.02H	LAT= 77.0

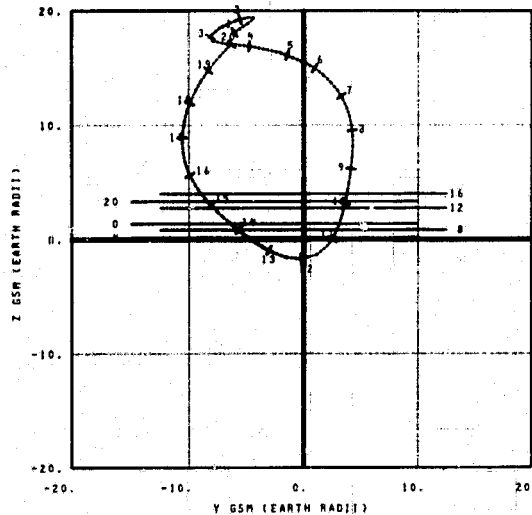
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/113/ 8.00H TO 1976/115/ 9.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/113/ 8.33H	R= 19.2R _E	11- 1976/114/ 16.42H	R= 2.4R _E
2- 1976/113/ 10.33H	R= 20.3R _E	12- 1976/114/ 17.25H	R= 1.0R _E
3- 1976/113/ 11.03H	R= 20.3R _E	13- 1976/114/ 18.05H	R= 3.3R _E
4- 1976/114/ 1.03H	R= 18.0R _E	14- 1976/114/ 19.32H	R= 9.0R _E
5- 1976/114/ 4.33H	R= 16.7R _E	15- 1976/114/ 21.00H	R= 8.4R _E
6- 1976/114/ 6.17H	R= 15.9R _E	16- 1976/114/ 23.33H	R= 11.4R _E
7- 1976/114/ 8.47H	R= 13.5R _E	17- 1976/115/ 1.03H	R= 13.0R _E
8- 1976/114/ 11.17H	R= 11.0R _E	18- 1976/115/ 5.00H	R= 15.9R _E
9- 1976/114/ 12.50H	R= 7.9R _E	19- 1976/115/ 6.33H	R= 17.0R _E
10- 1976/114/ 15.17H	R= 5.1R _E	20- 1976/115/ 9.00H	R= 18.3R _E

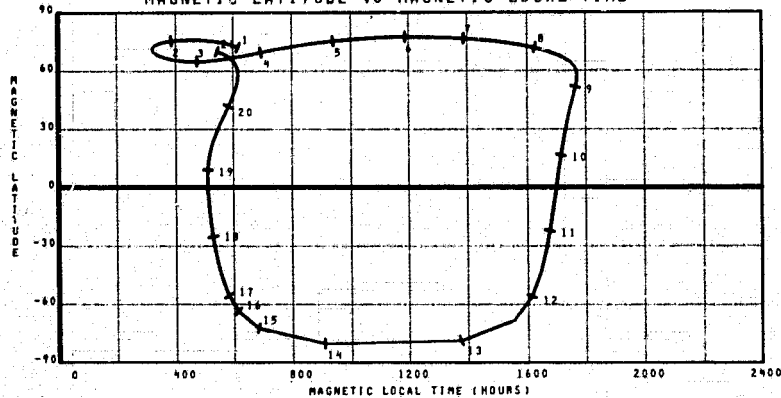
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/113/ 8.00H TO 1976/115/ 9.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

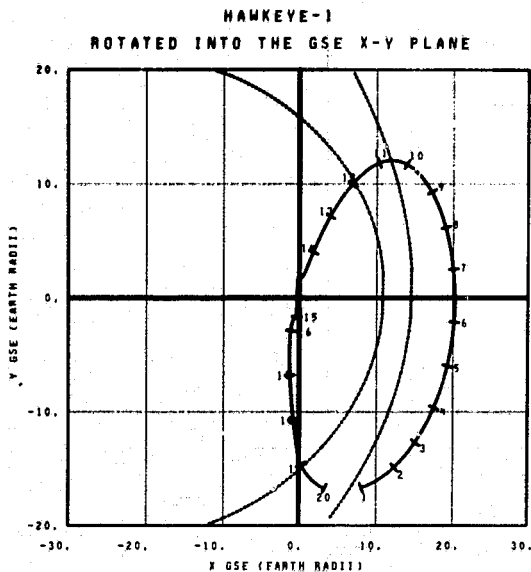


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/113/ 8.33H	R= 19.2R _E	8- 1976/114/ 9.33H	R= 12.9R _E	15- 1976/114/ 17.33H	R= 1.9R _E
2- 1976/113/ 11.03H	R= 20.0R _E	9- 1976/114/ 14.50H	R= 6.2R _E	16- 1976/114/ 17.42H	R= 2.0R _E
3- 1976/113/ 11.03H	R= 19.9R _E	10- 1976/114/ 16.25H	R= 2.9R _E	17- 1976/114/ 17.50H	R= 2.2R _E
4- 1976/114/ 1.03H	R= 18.0R _E	11- 1976/114/ 16.75H	R= 1.9R _E	18- 1976/114/ 17.50H	R= 3.2R _E
5- 1976/114/ 5.33H	R= 17.2R _E	12- 1976/114/ 17.00H	R= 1.7R _E	19- 1976/114/ 19.03H	R= 6.7R _E
6- 1976/114/ 5.33H	R= 16.0R _E	13- 1976/114/ 17.17H	R= 1.7R _E	20- 1976/115/ 1.03H	R= 14.1R _E
7- 1976/114/ 6.03H	R= 15.0R _E	14- 1976/114/ 17.25H	R= 1.0R _E	21- 1976/115/ 9.00H	R= 18.3R _E

TIME AS YEAR/DAY/HOUR

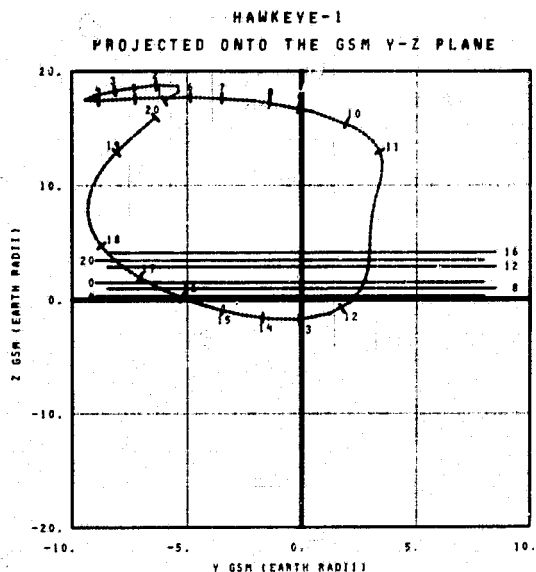
TIME INTERVAL OF PLOT 1976/113/ 8.00H TO 1976/115/ 9.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/115/ 9.50H	LAT= 78.6	11- 1976/116/ 9.00H	LAT= 47.1
2- 1976/115/ 12.00H	LAT= 80.5	12- 1976/116/ 13.33H	LAT= 57.9
3- 1976/115/ 13.50H	LAT= 81.3	13- 1976/116/ 16.50H	LAT= 43.9
4- 1976/115/ 15.00H	LAT= 81.7	14- 1976/116/ 18.75H	LAT= 17.2
5- 1976/115/ 16.50H	LAT= 81.7	15- 1976/116/ 20.33H	LAT= -79.1
6- 1976/115/ 18.00H	LAT= 81.9	16- 1976/116/ 21.17H	LAT= 2.3
7- 1976/115/ 20.00H	LAT= 89.7	17- 1976/116/ 23.17H	LAT= 92.4
8- 1976/115/ 22.50H	LAT= 79.5	18- 1976/117/ 1.92H	LAT= 59.4
9- 1976/116/ 0.50H	LAT= 77.5	19- 1976/117/ 4.00H	LAT= 69.5
10- 1976/116/ 4.50H	LAT= 73.4	20- 1976/117/ 9.37H	LAT= 79.3

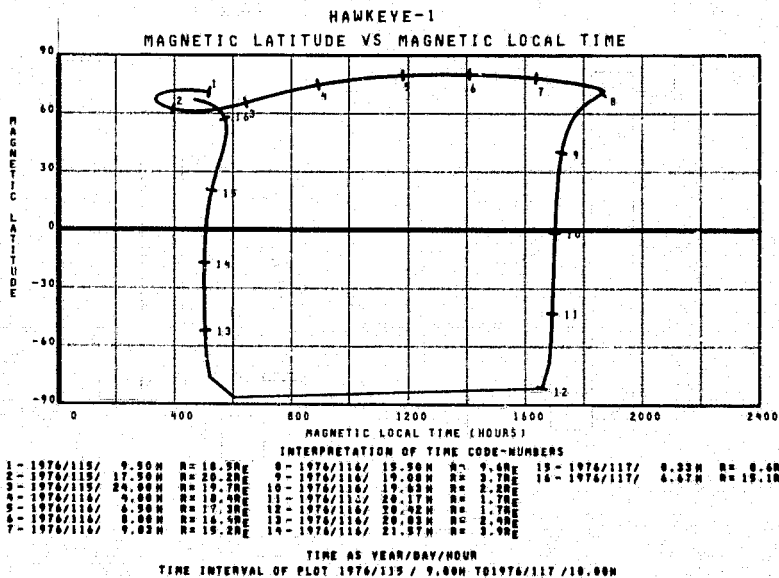
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/115/ 9.00H TO 1976/117/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

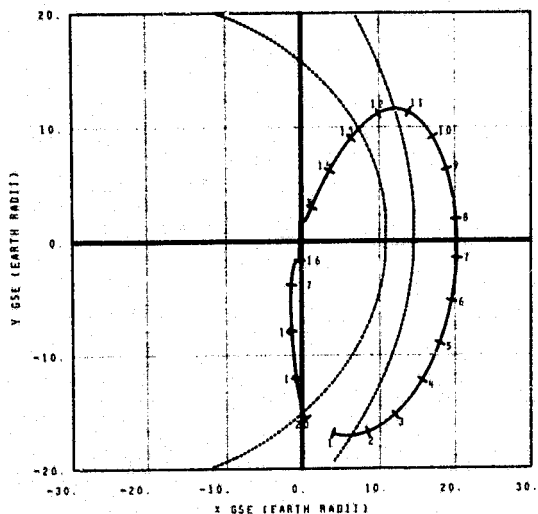
1- 1976/115/ 9.50H	R= 18.5RE	11- 1976/116/ 11.33H	R= 19.0RE
2- 1976/115/ 12.00H	R= 20.0RE	12- 1976/116/ 20.00H	R= 1.7RE
3- 1976/115/ 17.50H	R= 20.2RE	13- 1976/116/ 20.50H	R= 1.0RE
4- 1976/115/ 23.00H	R= 19.9RE	14- 1976/116/ 20.92H	R= 2.6RE
5- 1976/116/ 1.00H	R= 19.4RE	15- 1976/116/ 21.50H	R= 3.0RE
6- 1976/116/ 3.00H	R= 18.0RE	16- 1976/116/ 22.30H	R= 5.4RE
7- 1976/116/ 4.00H	R= 18.4RE	17- 1976/116/ 23.50H	R= 7.4RE
8- 1976/116/ 9.50H	R= 17.0RE	18- 1976/117/ 1.33H	R= 10.0RE
9- 1976/116/ 6.50H	R= 17.3RE	19- 1976/117/ 6.03H	R= 15.2RE
10- 1976/116/ 8.50H	R= 16.1RE	20- 1976/117/ 10.00H	R= 17.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/115/ 9.00H TO 1976/117/10.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/117/ 10.17H	LAT= 75.9	11- 1974/118/ 0.33H	LAT= 72.7
2- 1974/117/ 13.33H	LAT= 79.1	12- 1974/118/ 13.33H	LAT= 65.1
3- 1974/117/ 15.33H	LAT= 80.4	13- 1974/118/ 17.50H	LAT= 59.4
4- 1974/117/ 17.33H	LAT= 81.5	14- 1974/118/ 20.42H	LAT= 50.4
5- 1974/117/ 18.03H	LAT= 81.7	15- 1974/118/ 22.50H	LAT= 40.7
6- 1974/117/ 20.33H	LAT= 81.7	16- 1974/118/ 23.50H	LAT= 30.9
7- 1974/117/ 21.03H	LAT= 81.5	17- 1974/119/ 0.03H	LAT= 18.3
8- 1974/117/ 23.33H	LAT= 80.7	18- 1974/119/ 3.00H	LAT= 10.1
9- 1974/118/ 1.03H	LAT= 79.1	19- 1974/119/ 6.33H	LAT= 62.6
10- 1974/118/ 4.33H	LAT= 77.0	20- 1974/119/ 10.50H	LAT= 71.8

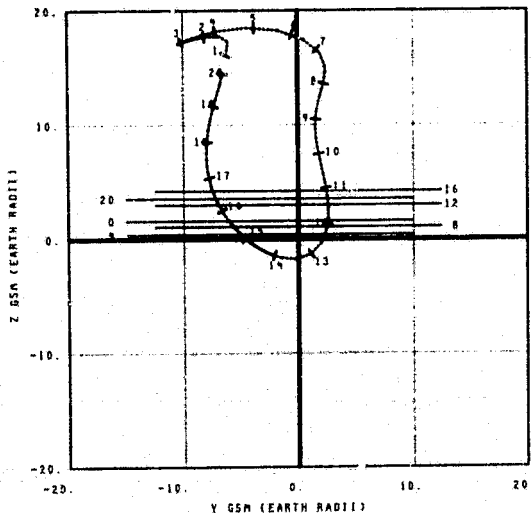
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/117/10.00H TO 1974/119/11.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/117/ 10.17H	R= 17.3RE	11- 1974/118/ 21.33H	R= 9.42E
2- 1974/117/ 14.33H	R= 19.6RE	12- 1974/118/ 22.50H	R= 5.1RE
3- 1974/117/ 22.03H	R= 20.3RE	13- 1974/118/ 23.42H	R= 1.7RE
4- 1974/118/ 2.33H	R= 19.9RE	14- 1974/119/ 0.25H	R= 2.0RE
5- 1974/118/ 4.03H	R= 19.3RE	15- 1974/119/ 1.22H	R= 4.0RE
6- 1974/118/ 7.33H	R= 18.4RE	16- 1974/119/ 2.50H	R= 7.5RE
7- 1974/118/ 9.03H	R= 17.2RE	17- 1974/119/ 4.17H	R= 9.5RE
8- 1974/118/ 14.00H	R= 14.4RE	18- 1974/119/ 6.00H	R= 11.6RE
9- 1974/118/ 17.33H	R= 11.3RE	19- 1974/119/ 8.17H	R= 13.7RE
10- 1974/118/ 19.67H	R= 8.7RE	20- 1974/119/ 11.00H	R= 15.9RE

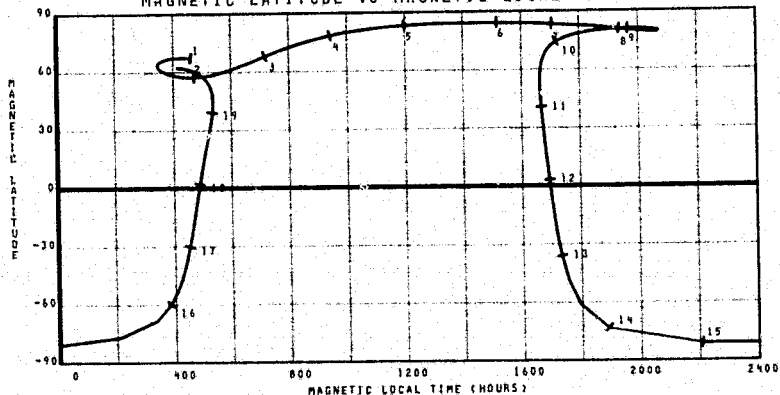
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/117/10.00H TO 1974/119/11.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

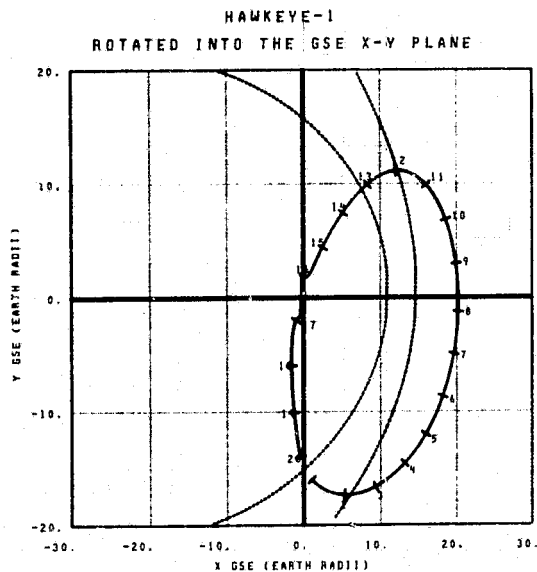


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/117/ 10.17H	R= 17.3RE	11- 1974/118/ 21.33H	R= 9.42E
2- 1974/117/ 14.33H	R= 19.6RE	12- 1974/118/ 22.50H	R= 5.1RE
3- 1974/118/ 2.33H	R= 19.9RE	13- 1974/118/ 23.42H	R= 1.7RE
4- 1974/118/ 4.03H	R= 19.3RE	14- 1974/119/ 0.25H	R= 2.0RE
5- 1974/118/ 7.33H	R= 18.4RE	15- 1974/119/ 1.22H	R= 4.0RE
6- 1974/118/ 9.03H	R= 17.2RE	16- 1974/119/ 2.50H	R= 7.5RE
7- 1974/118/ 14.00H	R= 14.4RE	17- 1974/119/ 4.17H	R= 9.5RE
8- 1974/118/ 17.33H	R= 11.3RE	18- 1974/119/ 6.00H	R= 11.6RE
9- 1974/118/ 19.67H	R= 8.7RE	19- 1974/119/ 8.17H	R= 13.7RE
10- 1974/118/ 22.03H	R= 20.3RE	20- 1974/119/ 11.00H	R= 15.9RE

TIME AS YEAR/DAY/HOUR

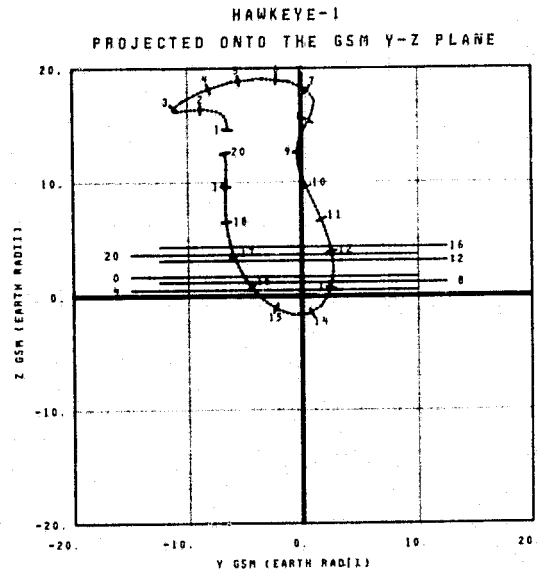
TIME INTERVAL OF PLOT 1974/117/10.00H TO 1974/119/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/119/ 11.17H	LAT= 72.8	11- 1976/120/ 9.30H	LAT= 75.1
2- 1976/119/ 15.00H	LAT= 77.7	12- 1976/120/ 14.50H	LAT= 68.7
3- 1976/119/ 17.50H	LAT= 79.9	13- 1976/120/ 18.03H	LAT= 60.2
4- 1976/119/ 19.50H	LAT= 81.0	14- 1976/120/ 22.33H	LAT= 47.4
5- 1976/119/ 21.00H	LAT= 81.6	15- 1976/121/ 0.03H	LAT= 24.1
6- 1976/119/ 22.50H	LAT= 81.8	16- 1976/121/ 2.67H	LAT= -81.3
7- 1976/119/ 24.00H	LAT= 81.6	17- 1976/121/ 3.17H	LAT= -26.1
8- 1976/120/ 1.50H	LAT= 81.2	18- 1976/121/ 5.17H	LAT= 37.9
9- 1976/120/ 3.50H	LAT= 80.2	19- 1976/121/ 7.92H	LAT= 56.8
10- 1976/120/ 6.00H	LAT= 78.4	20- 1976/121/ 11.67H	LAT= 67.9

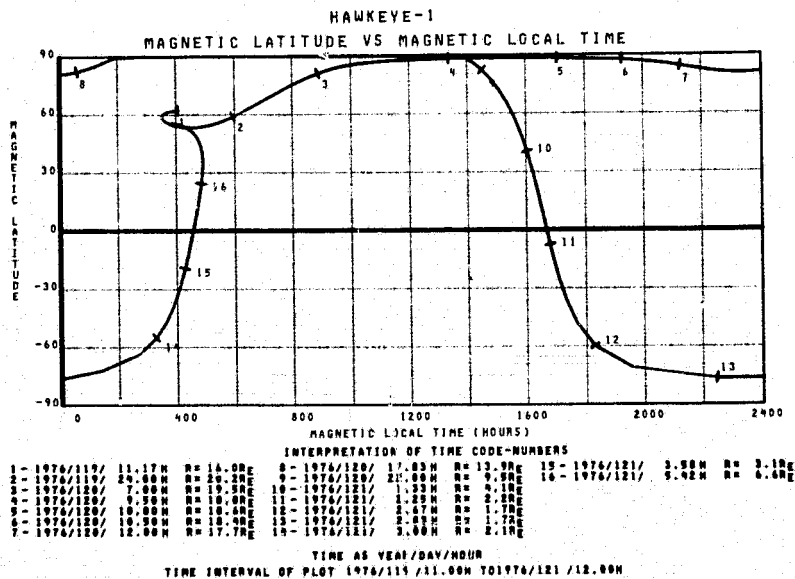
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/119/11.00H TO 1976/121/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

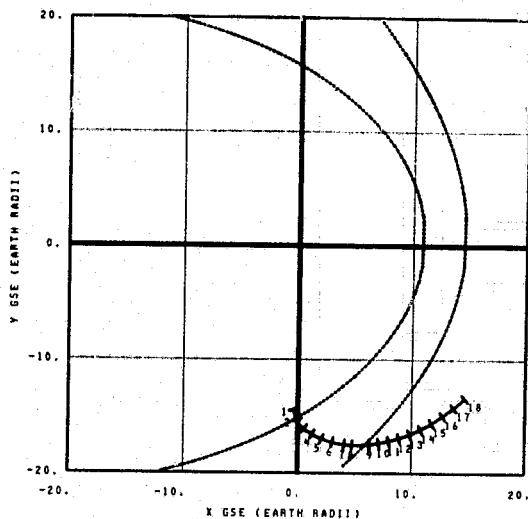
1- 1976/119/ 11.17H	R= 14.8RE	11- 1976/120/ 23.33H	R= 7.6RE
2- 1976/119/ 16.50H	R= 18.7RE	12- 1976/121/ 0.75H	R= 5.2RE
3- 1976/119/ 17.50H	R= 20.1RE	13- 1976/121/ 1.92H	R= 2.9RE
4- 1976/120/ 2.50H	R= 20.2RE	14- 1976/121/ 2.67H	R= 1.7RE
5- 1976/120/ 4.50H	R= 20.0RE	15- 1976/121/ 3.50H	R= 2.9RE
6- 1976/120/ 7.00H	R= 19.3RE	16- 1976/121/ 4.92H	R= 4.8RE
7- 1976/120/ 10.00H	R= 18.6RE	17- 1976/121/ 5.75H	R= 7.1RE
8- 1976/120/ 15.00H	R= 16.0RE	18- 1976/121/ 7.33H	R= 9.4RE
9- 1976/120/ 18.50H	R= 13.3RE	19- 1976/121/ 9.33H	R= 11.0RE
10- 1976/120/ 21.33H	R= 10.3RE	20- 1976/121/ 12.00H	R= 14.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/119/11.00H TO 1976/121/12.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/12/1/ 12.17H	LAT= 69.9	11- 1976/12/1/ 20.33H	LAT= 79.5
2- 1976/12/1/ 13.33H	LAT= 71.1	12- 1976/12/1/ 20.33H	LAT= 79.9
3- 1976/12/1/ 14.50H	LAT= 73.0	13- 1976/12/1/ 21.33H	LAT= 80.3
4- 1976/12/1/ 15.33H	LAT= 74.2	14- 1976/12/1/ 21.33H	LAT= 80.6
5- 1976/12/1/ 16.17H	LAT= 75.3	15- 1976/12/1/ 22.33H	LAT= 80.8
6- 1976/12/1/ 17.00H	LAT= 76.3	16- 1976/12/1/ 22.33H	LAT= 81.1
7- 1976/12/1/ 17.03H	LAT= 77.2	17- 1976/12/1/ 23.33H	LAT= 81.3
8- 1976/12/1/ 18.33H	LAT= 77.9	18- 1976/12/1/ 23.33H	LAT= 81.5
9- 1976/12/1/ 19.33H	LAT= 78.7		
10- 1976/12/1/ 19.33H	LAT= 79.1		

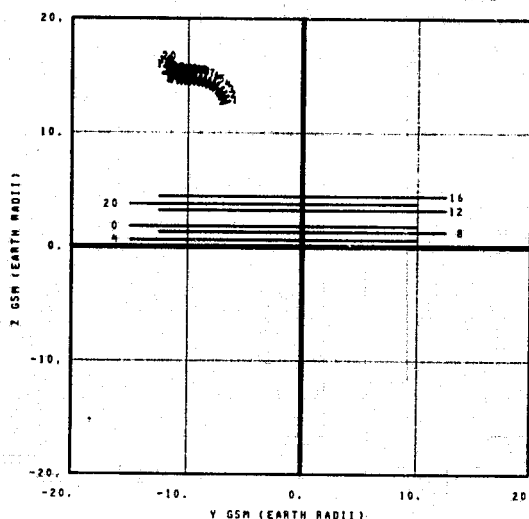
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/12/1/12.00H TO 1976/12/2/ 0.00H

HAWKEYE-1

PROJECTED ONTO THE GSM V-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/12/1/ 12.17H	R= 14.4RE	11- 1976/12/1/ 20.33H	R= 17.7RE
2- 1976/12/1/ 13.33H	R= 14.6RE	12- 1976/12/1/ 20.33H	R= 17.9RE
3- 1976/12/1/ 14.50H	R= 15.2RE	13- 1976/12/1/ 21.33H	R= 18.2RE
4- 1976/12/1/ 15.33H	R= 15.5RE	14- 1976/12/1/ 21.33H	R= 18.4RE
5- 1976/12/1/ 16.17H	R= 15.8RE	15- 1976/12/1/ 22.33H	R= 18.6RE
6- 1976/12/1/ 17.00H	R= 16.3RE	16- 1976/12/1/ 22.33H	R= 18.9RE
7- 1976/12/1/ 17.03H	R= 16.4RE	17- 1976/12/1/ 23.33H	R= 19.4RE
8- 1976/12/1/ 18.33H	R= 16.9RE	18- 1976/12/1/ 23.33H	R= 19.6RE
9- 1976/12/1/ 19.33H	R= 17.2RE	19- 1976/12/1/ 23.33H	R= 19.8RE
10- 1976/12/1/ 19.33H	R= 17.4RE	20- 1976/12/1/ 23.33H	R= 19.9RE

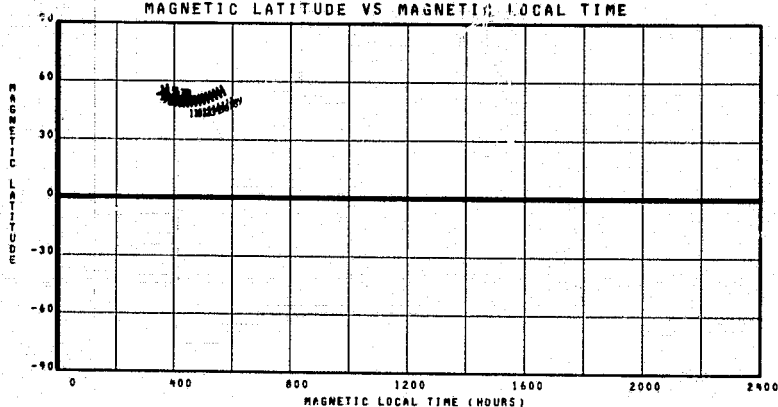
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/12/1/12.00H TO 1976/12/2/ 0.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

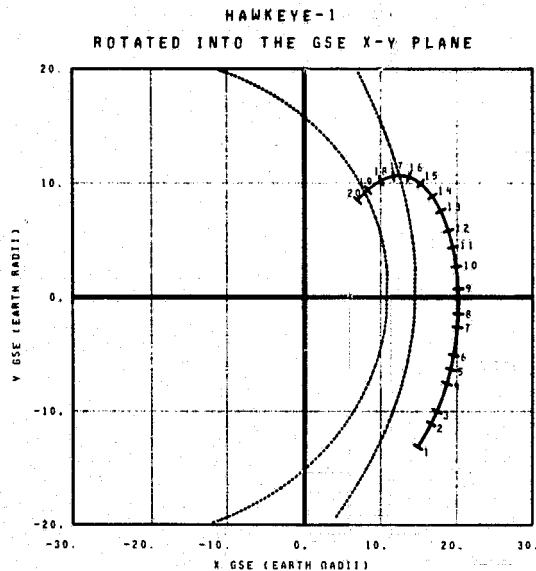


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/12/1/ 12.17H	R= 14.4RE	11- 1976/12/1/ 20.33H	R= 17.7RE
2- 1976/12/1/ 13.33H	R= 14.6RE	12- 1976/12/1/ 20.33H	R= 17.9RE
3- 1976/12/1/ 14.50H	R= 15.2RE	13- 1976/12/1/ 21.33H	R= 18.2RE
4- 1976/12/1/ 15.33H	R= 15.5RE	14- 1976/12/1/ 21.33H	R= 18.4RE
5- 1976/12/1/ 16.17H	R= 15.8RE	15- 1976/12/1/ 22.33H	R= 18.6RE
6- 1976/12/1/ 17.00H	R= 16.3RE	16- 1976/12/1/ 22.33H	R= 18.9RE
7- 1976/12/1/ 17.03H	R= 16.4RE	17- 1976/12/1/ 23.33H	R= 19.4RE
		18- 1976/12/1/ 23.33H	R= 19.6RE
		19- 1976/12/1/ 23.33H	R= 19.8RE
		20- 1976/12/1/ 23.33H	R= 19.9RE

TIME AS YEAR/DAY/HOUR

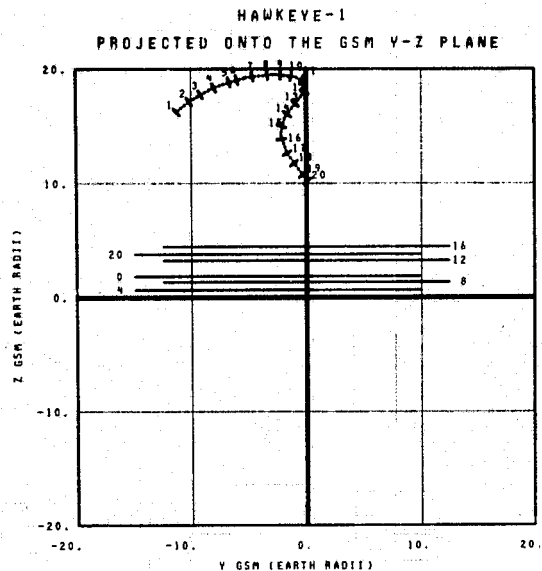
TIME INTERVAL OF PLOT 1976/12/1/12.00H TO 1976/12/2/ 0.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/122/ 0.00H	LAT= 81.5	11- 1976/122/ 8.00H	LAT= 79.4
2- 1976/122/ 1.00H	LAT= 81.7	12- 1976/122/ 9.00H	LAT= 78.4
3- 1976/122/ 1.50H	LAT= 81.8	13- 1976/122/ 10.50H	LAT= 77.3
4- 1976/122/ 2.50H	LAT= 81.8	14- 1976/122/ 12.00H	LAT= 75.9
5- 1976/122/ 3.00H	LAT= 81.7	15- 1976/122/ 14.00H	LAT= 73.7
6- 1976/122/ 3.50H	LAT= 81.6	16- 1976/122/ 16.00H	LAT= 71.2
7- 1976/122/ 4.50H	LAT= 81.3	17- 1976/122/ 18.50H	LAT= 67.5
8- 1976/122/ 5.00H	LAT= 81.1	18- 1976/122/ 20.50H	LAT= 63.8
9- 1976/122/ 6.00H	LAT= 80.6	19- 1976/122/ 22.50H	LAT= 59.0
10- 1976/122/ 7.00H	LAT= 80.0	20- 1976/122/ 24.00H	LAT= 54.3

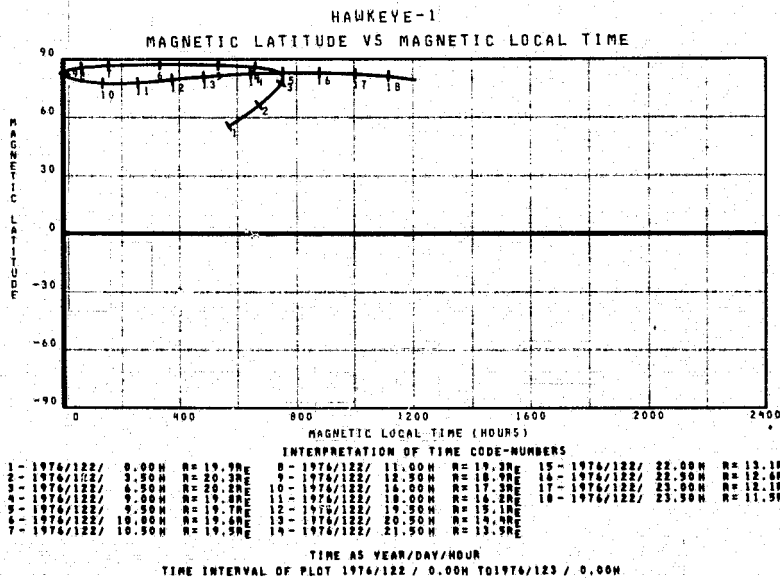
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/122/ 0.00H TO 1976/123/ 0.00H



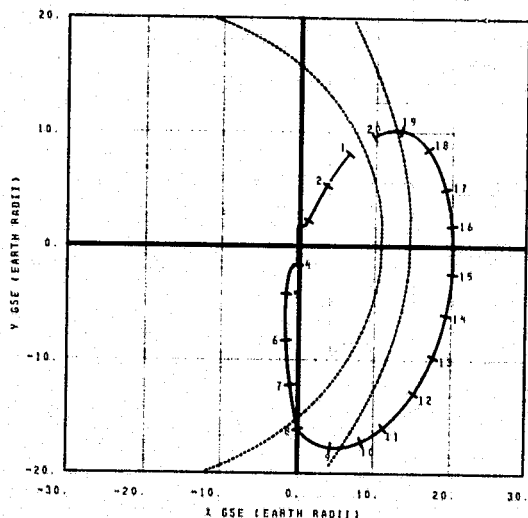
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/122/ 0.00H	R= 19.9RE	11- 1976/122/ 10.50H	R= 19.5RE
2- 1976/122/ 1.50H	R= 20.1RE	12- 1976/122/ 13.50H	R= 18.5RE
3- 1976/122/ 2.50H	R= 20.2RE	13- 1976/122/ 15.50H	R= 17.6RE
4- 1976/122/ 3.50H	R= 20.3RE	14- 1976/122/ 17.00H	R= 16.8RE
5- 1976/122/ 4.50H	R= 20.3RE	15- 1976/122/ 18.50H	R= 15.8RE
6- 1976/122/ 5.00H	R= 20.3RE	16- 1976/122/ 20.00H	R= 14.8RE
7- 1976/122/ 6.00H	R= 20.2RE	17- 1976/122/ 21.50H	R= 13.5RE
8- 1976/122/ 7.00H	R= 20.1RE	18- 1976/122/ 22.50H	R= 12.6RE
9- 1976/122/ 8.00H	R= 20.0RE	19- 1976/122/ 23.50H	R= 11.5RE
10- 1976/122/ 9.00H	R= 19.8RE	20- 1976/122/ 24.00H	R= 11.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/122/ 0.00H TO 1976/123/ 0.00H



HAWKEYE-1 ROTATED INTO THE GSC X-Y PLANE

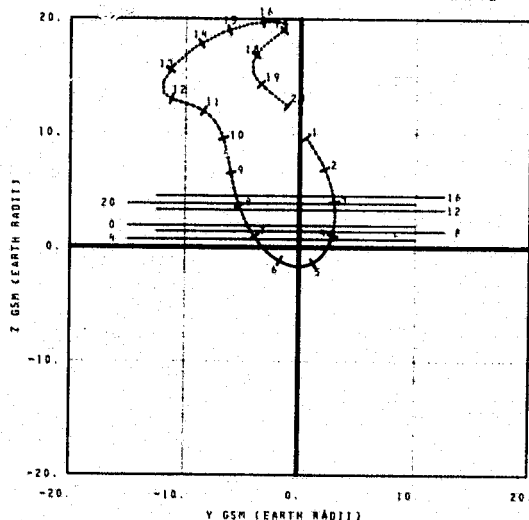


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/123/ 0.50H	LAT= 52.9	11- 1974/124/ 1.67H	LAT= 80.9
2- 1974/123/ 3.33H	LAT= 39.0	12- 1974/124/ 3.67H	LAT= 81.6
3- 1974/123/ 5.32H	LAT= -20.5	13- 1974/124/ 5.17H	LAT= 81.8
4- 1974/123/ 5.93H	LAT= -80.2	14- 1974/124/ 6.67H	LAT= 81.6
5- 1974/123/ 7.50H	LAT= 23.9	15- 1974/124/ 8.17H	LAT= 81.2
6- 1974/123/ 9.83H	LAT= 50.1	16- 1974/124/ 10.17H	LAT= 80.1
7- 1974/123/ 13.00H	LAT= 63.2	17- 1974/124/ 12.17H	LAT= 78.7
8- 1974/123/ 17.67H	LAT= 72.8	18- 1974/124/ 15.67H	LAT= 75.5
9- 1974/123/ 21.67H	LAT= 77.8	19- 1974/124/ 20.17H	LAT= 70.0
10- 1974/124/ 0.17H	LAT= 80.0	20- 1974/125/ 0.50H	LAT= 62.1

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/123/ 0.00H TO 1974/125/ 1.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

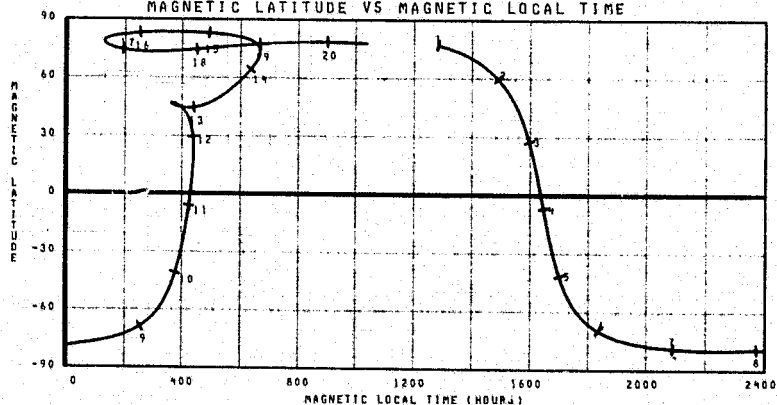


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/123/ 0.50H	R= 10.4RE	11- 1974/123/ 15.67H	R= 14.4RE
2- 1974/123/ 2.33H	R= 8.0RE	12- 1974/123/ 19.50H	R= 17.2RE
3- 1974/123/ 3.75H	R= 5.6RE	13- 1974/124/ 0.67H	R= 19.3RE
4- 1974/123/ 4.67H	R= 3.4RE	14- 1974/124/ 3.67H	R= 20.0RE
5- 1974/123/ 5.75H	R= 1.8RE	15- 1974/124/ 5.67H	R= 20.2RE
6- 1974/123/ 6.47H	R= 2.4RE	16- 1974/124/ 8.17H	R= 20.3RE
7- 1974/123/ 7.92H	R= 4.4RE	17- 1974/124/ 13.67H	R= 19.5RE
8- 1974/123/ 8.67H	R= 6.6RE	18- 1974/124/ 18.17H	R= 17.9RE
9- 1974/123/ 10.25H	R= 9.0RE	19- 1974/124/ 22.33H	R= 15.4RE
10- 1974/123/ 12.50H	R= 11.7RE	20- 1974/125/ 1.00H	R= 13.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/123/ 0.00H TO 1974/125/ 1.00H

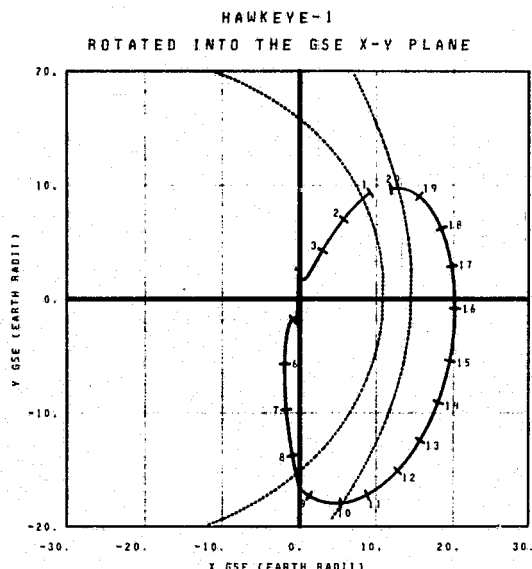
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/123/ 0.50H	R= 10.4RE	8- 1974/123/ 6.02H	R= 1.7RE	15- 1974/124/ 9.17H	R= 20.2RE
2- 1974/123/ 2.93H	R= 7.2RE	9- 1974/123/ 6.12H	R= 1.8RE	16- 1974/124/ 10.67H	R= 20.1RE
3- 1974/123/ 5.32H	R= 5.6RE	10- 1974/123/ 6.37H	R= 2.2RE	17- 1974/124/ 13.67H	R= 18.9RE
4- 1974/123/ 5.93H	R= 3.4RE	11- 1974/123/ 6.92H	R= 3.1RE	18- 1974/124/ 22.17H	R= 16.0RE
5- 1974/123/ 7.50H	R= 1.8RE	12- 1974/123/ 8.58H	R= 6.5RE	19- 1974/124/ 22.50H	R= 15.3RE
6- 1974/123/ 9.83H	R= 1.7RE	13- 1974/123/ 19.33H	R= 17.1RE	20- 1974/125/ 0.17H	R= 14.9RE
7- 1974/123/ 9.97H	R= 1.7RE	14- 1974/124/ 3.67H	R= 20.0RE		

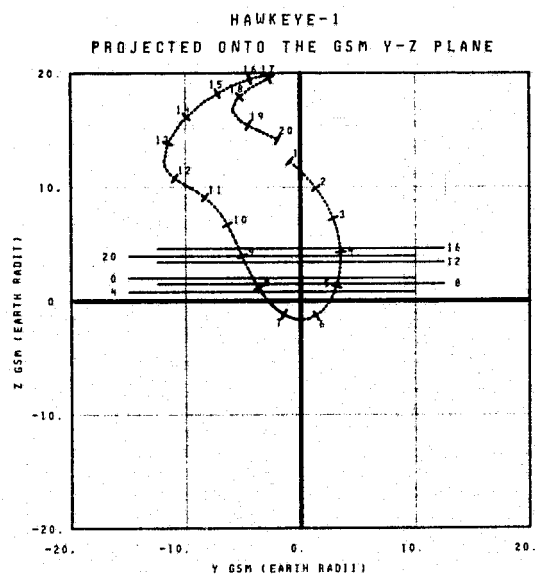
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1974/123/ 0.00H TO 1974/125/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/125/ 1.17H	LAT= 60.5	11- 1976/126/ 4.00H	LAT= 80.4
2- 1976/125/ 4.03H	LAT= 47.2	12- 1976/126/ 6.00H	LAT= 81.4
3- 1976/125/ 7.25H	LAT= 24.5	13- 1976/126/ 7.50H	LAT= 81.7
4- 1976/125/ 9.08H	LAT= -80.5	14- 1976/126/ 9.00H	LAT= 81.8
5- 1976/125/ 9.47H	LAT= -39.4	15- 1976/126/ 10.50H	LAT= 81.9
6- 1976/125/ 11.50H	LAT= 36.7	16- 1976/126/ 12.50H	LAT= 80.7
7- 1976/125/ 14.08H	LAT= 55.5	17- 1976/126/ 14.50H	LAT= 79.4
8- 1976/125/ 17.83H	LAT= 67.2	18- 1976/126/ 17.00H	LAT= 77.4
9- 1976/125/ 23.00H	LAT= 75.7	19- 1976/126/ 21.00H	LAT= 75.2
10- 1976/126/ 2.00H	LAT= 78.0	20- 1976/127/ 1.67H	LAT= 66.4

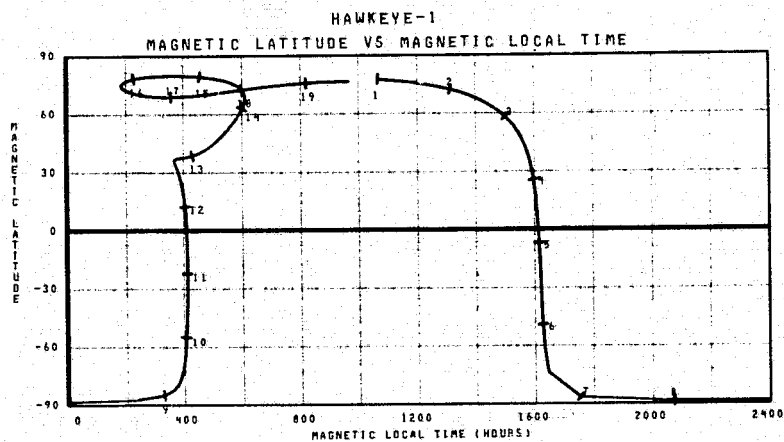
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/125/ 1.00H TO 1976/127/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/125/ 1.17H	R= 13.1RE	11- 1976/125/ 16.33H	R= 12.4RE
2- 1976/125/ 3.33H	R= 10.9RE	12- 1976/125/ 19.83H	R= 15.3RE
3- 1976/125/ 5.08H	R= 8.4RE	13- 1976/126/ 0.50H	R= 18.0RE
4- 1976/125/ 6.59H	R= 6.3RE	14- 1976/126/ 3.00H	R= 19.0RE
5- 1976/125/ 7.83H	R= 3.9RE	15- 1976/126/ 5.50H	R= 19.7RE
6- 1976/125/ 8.83H	R= 1.9RE	16- 1976/126/ 8.00H	R= 20.1RE
7- 1976/125/ 9.58H	R= 2.2RE	17- 1976/126/ 14.00H	R= 20.1RE
8- 1976/125/ 10.58H	R= 4.3RE	18- 1976/126/ 18.00H	R= 19.2RE
9- 1976/125/ 11.92H	R= 6.7RE	19- 1976/126/ 23.50H	R= 14.7RE
10- 1976/125/ 13.75H	R= 9.4RE	20- 1976/127/ 2.00H	R= 15.1RE

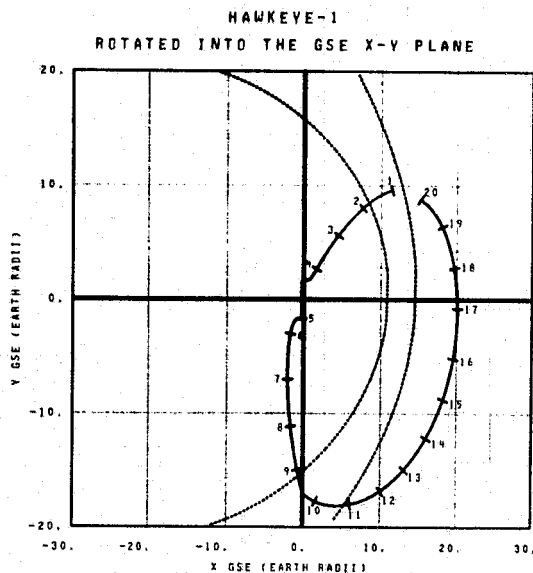
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/125/ 1.00H TO 1976/127/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/125/ 1.17H	R= 13.1RE	8- 1976/125/ 9.19H	R= 1.7RE	15- 1976/126/ 0.00H	R= 20.2RE
2- 1976/125/ 3.00H	R= 11.2RE	9- 1976/125/ 9.22H	R= 1.7RE	16- 1976/126/ 11.50H	R= 20.3RE
3- 1976/125/ 5.42H	R= 8.2RE	10- 1976/125/ 9.43H	R= 1.9RE	17- 1976/126/ 18.50H	R= 19.3RE
4- 1976/125/ 7.75H	R= 4.1RE	11- 1976/125/ 9.80H	R= 2.4RE	18- 1976/126/ 22.50H	R= 17.3RE
5- 1976/125/ 8.90H	R= 2.5RE	12- 1976/125/ 10.75H	R= 4.6RE	19- 1976/127/ 0.00H	R= 19.4RE
6- 1976/125/ 8.92H	R= 1.0RE	13- 1976/125/ 19.17H	R= 14.8RE		
7- 1976/125/ 9.17H	R= 1.7RE	14- 1976/125/ 4.00H	R= 19.3RE		

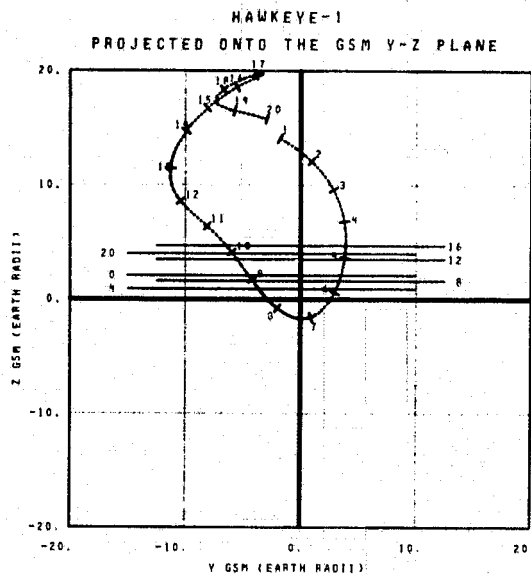
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/125/ 1.00H TO 1976/127/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/127/ 2.17H	LAT= 65.5	11 - 1976/128/ 6.17H	LAT= 79.6
2 - 1976/127/ 6.33H	LAT= 54.8	12 - 1976/128/ 8.17H	LAT= 80.9
3 - 1976/127/ 9.29H	LAT= 39.2	13 - 1976/128/ 9.67H	LAT= 81.5
4 - 1976/127/ 11.42H	LAT= -1.4	14 - 1976/128/ 11.17H	LAT= 81.8
5 - 1976/127/ 12.37H	LAT= -80.0	15 - 1976/128/ 12.67H	LAT= 81.7
6 - 1976/127/ 13.42H	LAT= 9.3	16 - 1976/128/ 14.17H	LAT= 81.9
7 - 1976/127/ 15.50H	LAT= 44.6	17 - 1976/128/ 16.17H	LAT= 80.5
8 - 1976/127/ 18.50H	LAT= 60.2	18 - 1976/128/ 18.17H	LAT= 79.1
9 - 1976/127/ 22.50H	LAT= 70.0	19 - 1976/128/ 21.17H	LAT= 76.6
10 - 1976/128/ 3.17H	LAT= 74.8	20 - 1976/129/ 1.17H	LAT= 72.1

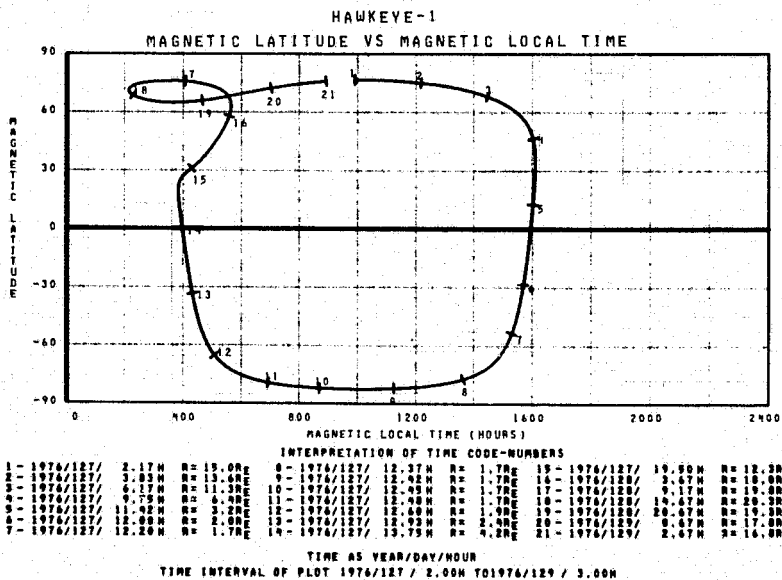
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/127/ 2.00H TO 1976/129/ 3.00H

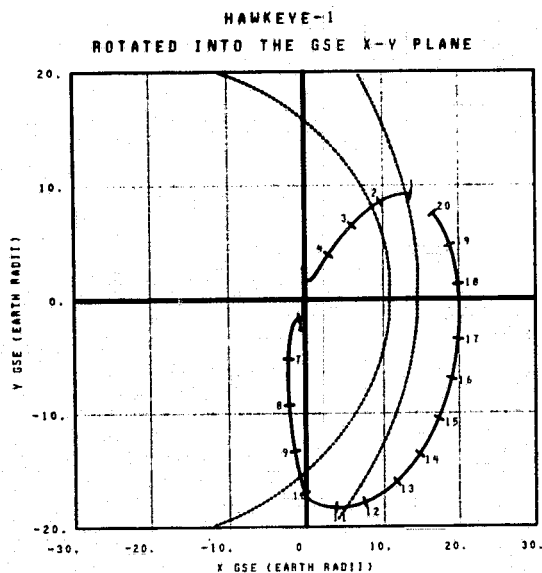


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/127/ 2.17H	R= 15.0RE	11 - 1976/127/ 17.83H	R= 10.5RE
2 - 1976/127/ 6.33H	R= 13.0RE	12 - 1976/127/ 20.83H	R= 13.6RE
3 - 1976/127/ 9.29H	R= 10.9RE	13 - 1976/128/ 0.17H	R= 16.1RE
4 - 1976/127/ 11.42H	R= 8.7RE	14 - 1976/128/ 3.17H	R= 17.0RE
5 - 1976/127/ 12.37H	R= 6.1RE	15 - 1976/128/ 5.17H	R= 18.6RE
6 - 1976/127/ 13.42H	R= 3.5RE	16 - 1976/128/ 7.67H	R= 19.5RE
7 - 1976/127/ 15.50H	R= 1.8RE	17 - 1976/128/ 14.17H	R= 20.3RE
8 - 1976/127/ 18.50H	R= 2.6RE	18 - 1976/128/ 18.17H	R= 19.9RE
9 - 1976/127/ 22.50H	R= 5.0RE	19 - 1976/129/ 0.17H	R= 18.1RE
10 - 1976/127/ 15.67H	R= 7.6RE	20 - 1976/129/ 2.67H	R= 16.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/127/ 2.00H TO 1976/129/ 3.00H

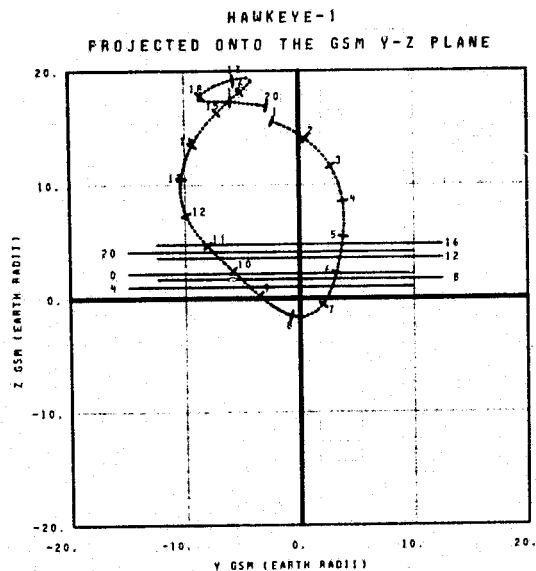




INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/129/ 3.17H	LAT= 49.3	11 - 1976/130/ 8.50H	LAT= 70.0
2 - 1976/129/ 7.83H	LAT= 40.1	12 - 1976/130/ 10.50H	LAT= 80.3
3 - 1976/129/ 11.33H	LAT= 47.1	13 - 1976/130/ 12.50H	LAT= 81.3
4 - 1976/129/ 13.75H	LAT= 23.6	14 - 1976/130/ 14.00H	LAT= 81.7
5 - 1976/129/ 15.50H	LAT= -78.8	15 - 1976/130/ 15.50H	LAT= 81.8
6 - 1976/129/ 15.80H	LAT= -51.4	16 - 1976/130/ 17.00H	LAT= 81.5
7 - 1976/129/ 17.75H	LAT= 34.3	17 - 1976/130/ 18.50H	LAT= 80.9
8 - 1976/129/ 20.25H	LAT= 34.2	18 - 1976/130/ 21.00H	LAT= 79.4
9 - 1976/129/ 23.83H	LAT= 44.1	19 - 1976/130/ 23.50H	LAT= 77.4
10 - 1976/130/ 4.83H	LAT= 74.0	20 - 1976/131/ 3.00H	LAT= 73.8

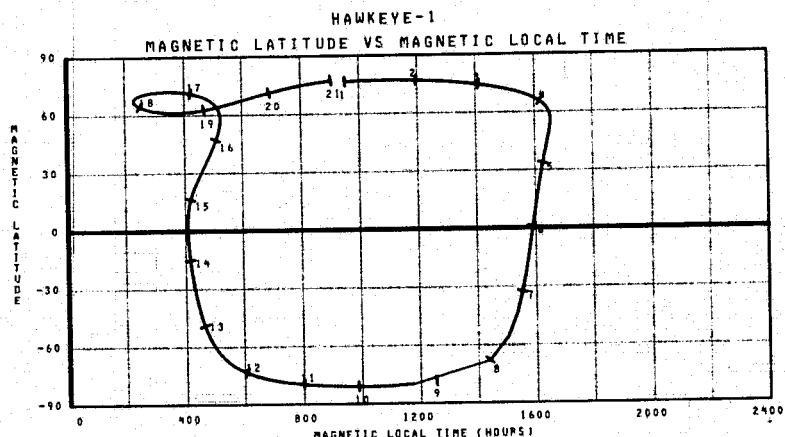
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/129/ 3.00H TO 1976/131/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/129/ 3.17H	R= 16.5R _E	11 - 1976/129/ 20.25H	R= 9.5R _E
2 - 1976/129/ 7.83H	R= 14.9R _E	12 - 1976/129/ 22.83H	R= 12.4R _E
3 - 1976/129/ 11.33H	R= 12.9R _E	13 - 1976/130/ 1.50H	R= 14.4R _E
4 - 1976/129/ 13.75H	R= 10.4R _E	14 - 1976/130/ 3.83H	R= 16.4R _E
5 - 1976/129/ 15.50H	R= 7.7R _E	15 - 1976/130/ 6.50H	R= 17.0R _E
6 - 1976/129/ 15.80H	R= 4.8R _E	16 - 1976/130/ 9.00H	R= 18.0R _E
7 - 1976/129/ 17.75H	R= 2.4R _E	17 - 1976/130/ 15.50H	R= 20.2R _E
8 - 1976/129/ 20.25H	R= 2.0R _E	18 - 1976/130/ 20.00H	R= 20.1R _E
9 - 1976/129/ 23.83H	R= 9.1R _E	19 - 1976/131/ 1.50H	R= 19.8R _E
10 - 1976/129/ 23.83H	R= 6.7R _E	20 - 1976/131/ 4.00H	R= 17.8R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/129/ 3.00H TO 1976/131/ 4.00H

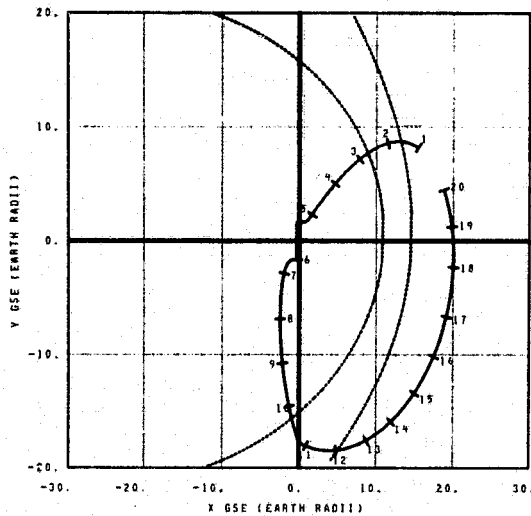


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/129/ 3.17H	R= 16.5R _E	8 - 1976/129/ 15.50H	R= 1.7R _E	15 - 1976/129/ 19.33H	R= 8.2R _E
2 - 1976/129/ 7.83H	R= 15.2R _E	9 - 1976/129/ 15.67H	R= 1.7R _E	16 - 1976/130/ 2.57H	R= 15.2R _E
3 - 1976/129/ 11.33H	R= 13.0R _E	10 - 1976/129/ 15.73H	R= 1.8R _E	17 - 1976/130/ 8.50H	R= 15.2R _E
4 - 1976/129/ 13.75H	R= 10.4R _E	11 - 1976/129/ 15.75H	R= 1.8R _E	18 - 1976/130/ 15.00H	R= 20.2R _E
5 - 1976/129/ 15.50H	R= 7.7R _E	12 - 1976/129/ 15.82H	R= 1.9R _E	19 - 1976/130/ 21.00H	R= 19.8R _E
6 - 1976/129/ 15.80H	R= 4.8R _E	13 - 1976/129/ 16.07H	R= 2.0R _E	20 - 1976/131/ 4.00H	R= 17.8R _E
7 - 1976/129/ 17.75H	R= 2.4R _E	14 - 1976/129/ 16.75H	R= 3.7R _E		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/129/ 3.00H TO 1976/131/ 4.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

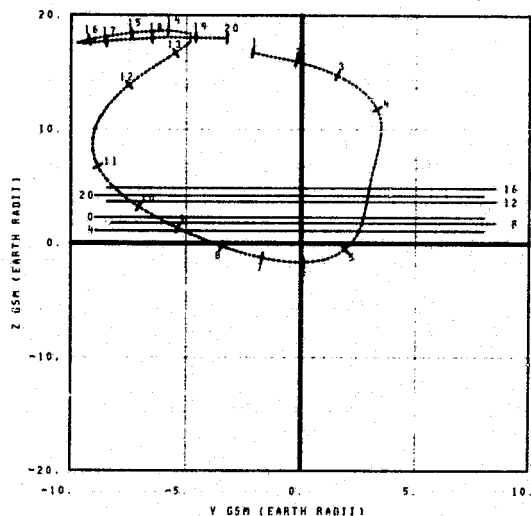
1- 1974/131/ 4.50H LAT= 72.0	11- 1974/132/ 10.17H LAT= 77.3
2- 1974/131/ 9.33H LAT= 64.2	12- 1974/132/ 12.67H LAT= 79.4
3- 1974/131/ 13.17H LAT= 53.5	13- 1974/132/ 14.47H LAT= 80.9
4- 1974/131/ 15.92H LAT= 37.3	14- 1974/132/ 16.17H LAT= 81.5
5- 1974/131/ 18.00H LAT= -8.9	15- 1974/132/ 17.67H LAT= 81.8
6- 1974/131/ 18.82H LAT= -78.5	16- 1974/132/ 19.17H LAT= 81.7
7- 1974/131/ 19.85H LAT= -9.3	17- 1974/132/ 20.67H LAT= 81.4
8- 1974/131/ 21.92H LAT= -4.4	18- 1974/132/ 22.67H LAT= 80.5
9- 1974/132/ 0.67H LAT= 59.2	19- 1974/133/ 0.67H LAT= 79.2
10- 1974/132/ 4.50H LAT= 69.2	20- 1974/133/ 3.17H LAT= 77.1

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/131/ 4.00H TO 1974/133/ 5.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

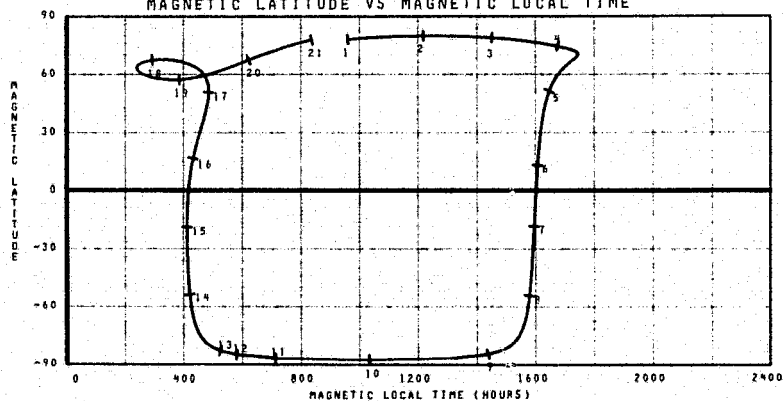
1- 1974/131/ 4.50H R= 17.5RE	11- 1974/132/ 1.00H R= 11.3RE
2- 1974/131/ 8.00H R= 16.7RE	12- 1974/132/ 6.17H R= 15.8RE
3- 1974/131/ 7.67H R= 15.6RE	13- 1974/132/ 9.17H R= 17.6RE
4- 1974/131/ 10.67H R= 13.2RE	14- 1974/132/ 14.67H R= 19.6RE
5- 1974/131/ 18.33H R= 2.2RE	15- 1974/132/ 14.67H R= 20.0RE
6- 1974/131/ 18.95H R= 1.8RE	16- 1974/132/ 19.17H R= 20.2RE
7- 1974/131/ 19.47H R= 2.6RE	17- 1974/133/ 0.17H R= 20.0RE
8- 1974/131/ 20.15H R= 4.1RE	18- 1974/133/ 2.17H R= 14.6RE
9- 1974/131/ 21.17H R= 6.0RE	19- 1974/133/ 2.67H R= 19.2RE
10- 1974/131/ 22.90H R= 8.2RE	20- 1974/133/ 4.67H R= 18.0RE

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/131/ 4.00H TO 1974/133/ 5.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

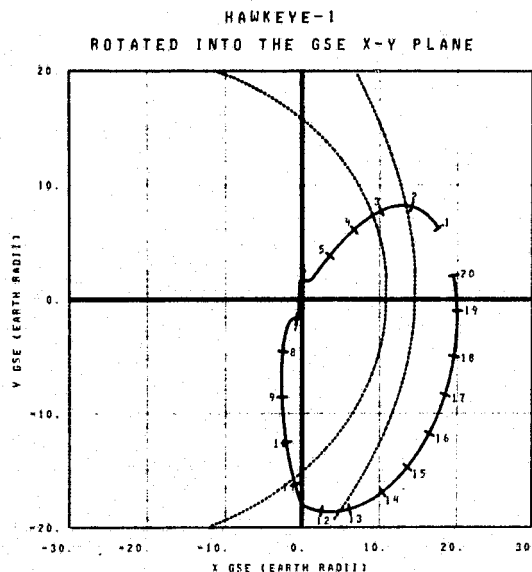


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/131/ 4.50H R= 17.5RE	8- 1974/131/ 18.75H R= 1.7RE	15- 1974/131/ 20.82H R= 3.0RE
2- 1974/131/ 8.33H R= 15.5RE	9- 1974/131/ 18.95H R= 1.8RE	16- 1974/131/ 22.90H R= 8.2RE
3- 1974/131/ 8.00H R= 16.7RE	10- 1974/131/ 19.95H R= 1.8RE	17- 1974/132/ 0.17H R= 20.0RE
4- 1974/131/ 10.83H R= 13.1RE	11- 1974/131/ 19.80H R= 1.8RE	18- 1974/132/ 10.67H R= 19.3RE
5- 1974/131/ 18.17H R= 2.5RE	12- 1974/131/ 19.85H R= 1.8RE	19- 1974/132/ 19.17H R= 20.2RE
6- 1974/131/ 18.17H R= 1.9RE	13- 1974/131/ 19.85H R= 1.8RE	20- 1974/133/ 1.17H R= 19.6RE
7- 1974/131/ 18.95H R= 1.8RE	14- 1974/131/ 19.32H R= 2.3RE	21- 1974/133/ 4.67H R= 18.0RE

TIME AS YEAR/DAY/HOUR

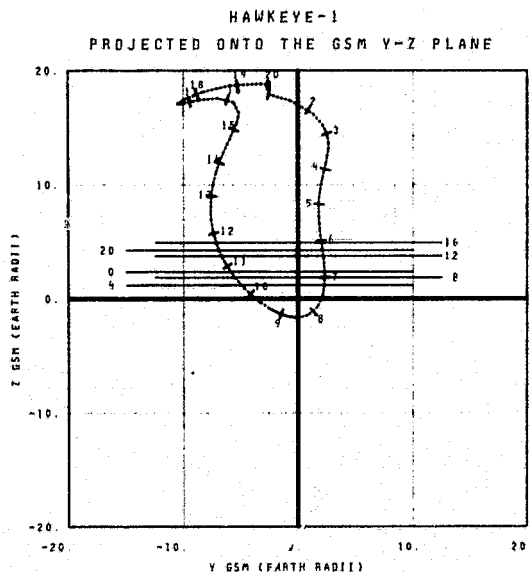
TIME INTERVAL OF PLOT 1974/131 / 4.00H TO 1974/133 / 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/133/ 5.17H	LAT= 75.0	11- 1976/134/ 10.00H	LAT= 73.0
2- 1976/133/ 9.83H	LAT= 69.0	12- 1976/134/ 15.00H	LAT= 70.0
3- 1976/133/ 14.33H	LAT= 60.0	13- 1976/134/ 17.00H	LAT= 60.4
4- 1976/133/ 17.47H	LAT= 47.7	14- 1976/134/ 19.00H	LAT= 61.4
5- 1976/133/ 20.08H	LAT= 25.4	15- 1976/134/ 20.50H	LAT= 61.7
6- 1976/133/ 21.92H	LAT= -74.7	16- 1976/134/ 22.00H	LAT= 61.0
7- 1976/133/ 22.17H	LAT= -60.7	17- 1976/134/ 23.50H	LAT= 61.5
8- 1976/133/ 23.92H	LAT= 30.1	18- 1976/135/ 1.00H	LAT= 61.0
9- 1976/134/ 2.25H	LAT= 51.9	19- 1976/135/ 3.00H	LAT= 79.9
10- 1976/134/ 5.50H	LAT= 64.1	20- 1976/135/ 5.00H	LAT= 76.3

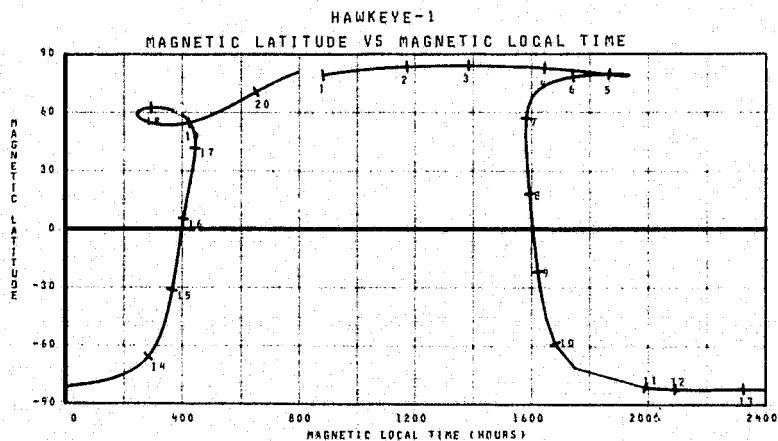
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/133/ 5.00H TO 1976/135/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/133/ 5.17H	R= 18.7R _E	11- 1976/134/ 1.17H	R= 7.3R _E
2- 1976/133/ 9.17H	R= 17.3R _E	12- 1976/134/ 2.83H	R= 9.7R _E
3- 1976/133/ 11.00H	R= 15.6R _E	13- 1976/134/ 4.83H	R= 12.0R _E
4- 1976/133/ 14.50H	R= 12.7R _E	14- 1976/134/ 6.83H	R= 13.9R _E
5- 1976/133/ 17.17H	R= 9.7R _E	15- 1976/134/ 9.50H	R= 15.9R _E
6- 1976/133/ 19.25H	R= 6.4R _E	16- 1976/134/ 14.50H	R= 19.5R _E
7- 1976/133/ 20.75H	R= 3.0R _E	17- 1976/134/ 18.50H	R= 19.7R _E
8- 1976/133/ 21.83H	R= 1.0R _E	18- 1976/135/ 1.00H	R= 20.2R _E
9- 1976/133/ 22.65H	R= 2.6R _E	19- 1976/135/ 4.00H	R= 19.4R _E
10- 1976/133/ 23.75H	R= 4.9R _E	20- 1976/135/ 6.00H	R= 19.4R _E

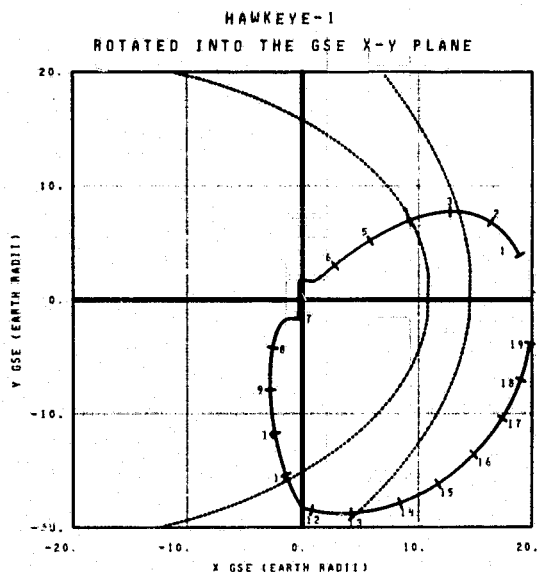
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/133/ 5.00H TO 1976/135/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/133/ 5.17H	R= 18.7R _E	8- 1976/133/ 21.33H	R= 2.6R _E	15- 1976/133/ 22.83H	R= 3.8R _E
2- 1976/133/ 9.17H	R= 17.3R _E	9- 1976/133/ 21.79H	R= 1.9R _E	16- 1976/134/ 0.17H	R= 3.6R _E
3- 1976/133/ 11.00H	R= 15.6R _E	10- 1976/133/ 22.00H	R= 1.7R _E	17- 1976/134/ 4.00H	R= 11.1R _E
4- 1976/133/ 14.50H	R= 12.7R _E	11- 1976/133/ 22.17H	R= 1.0R _E	18- 1976/134/ 10.50H	R= 16.5R _E
5- 1976/133/ 17.17H	R= 9.7R _E	12- 1976/133/ 22.18H	R= 1.0R _E	19- 1976/134/ 20.50H	R= 20.1R _E
6- 1976/133/ 19.25H	R= 6.4R _E	13- 1976/133/ 22.22H	R= 1.0R _E	20- 1976/135/ 3.00H	R= 20.0R _E
7- 1976/133/ 20.75H	R= 3.0R _E	14- 1976/133/ 22.38H	R= 2.1R _E		

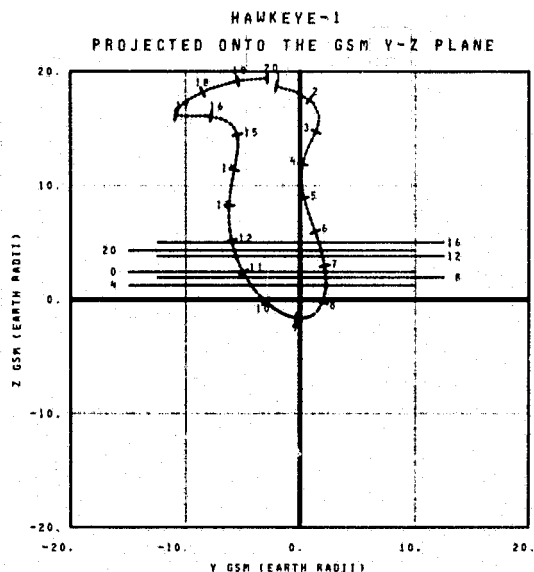
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/133/ 5.00H TO 1976/135/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/135/ 6.50H	LAT= 77.0	11 - 1976/136/ 12.00H	LAT= 71.0
2 - 1976/135/ 10.50H	LAT= 72.6	12 - 1976/136/ 17.67H	LAT= 76.3
3 - 1976/135/ 15.00H	LAT= 65.7	13 - 1976/136/ 19.67H	LAT= 80.0
4 - 1976/135/ 18.03H	LAT= 56.3	14 - 1976/136/ 21.67H	LAT= 81.1
5 - 1976/135/ 21.75H	LAT= 42.2	15 - 1976/136/ 23.17H	LAT= 81.6
6 - 1976/135/ 23.03H	LAT= 14.2	16 - 1976/137/ 0.67H	LAT= 81.0
7 - 1976/136/ 1.25H	LAT= -78.5	17 - 1976/137/ 2.17H	LAT= 81.7
8 - 1976/136/ 3.00H	LAT= 27.7	18 - 1976/137/ 3.67H	LAT= 81.2
9 - 1976/136/ 5.00H	LAT= 49.5	19 - 1976/137/ 5.17H	LAT= 88.5
10 - 1976/136/ 8.00H	LAT= 62.0		

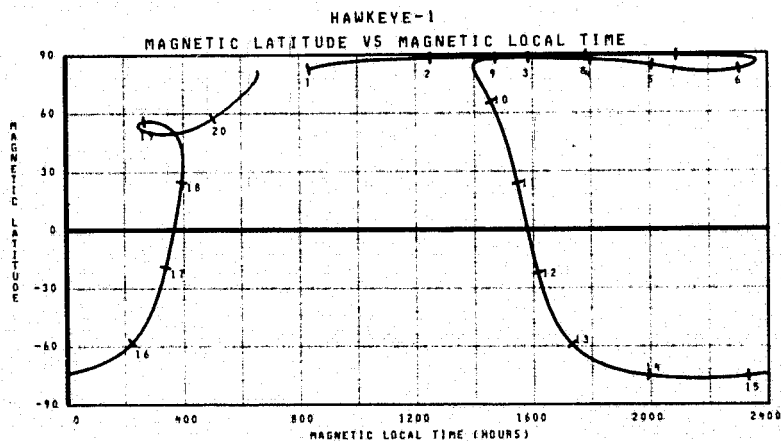
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/135/ 6.00H TO 1976/137/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/135/ 6.50H	R= 19.3RE	11 - 1976/136/ 3.67H	R= 6.1RE
2 - 1976/135/ 9.50H	R= 18.2RE	12 - 1976/136/ 5.00H	R= 8.9RE
3 - 1976/135/ 14.00H	R= 15.7RE	13 - 1976/136/ 6.03H	R= 19.6RE
4 - 1976/135/ 17.33H	R= 13.0RE	14 - 1976/136/ 9.00H	R= 12.9RE
5 - 1976/135/ 20.00H	R= 10.2RE	15 - 1976/136/ 12.17H	R= 15.5RE
6 - 1976/135/ 22.00H	R= 7.4RE	16 - 1976/136/ 16.17H	R= 17.9RE
7 - 1976/135/ 23.50H	R= 4.0RE	17 - 1976/136/ 20.67H	R= 19.5RE
8 - 1976/136/ 0.67H	R= 2.4RE	18 - 1976/137/ 2.17H	R= 20.3RE
9 - 1976/136/ 1.52H	R= 1.9RE	19 - 1976/137/ 4.67H	R= 20.2RE
10 - 1976/136/ 2.43H	R= 3.0RE	20 - 1976/137/ 6.67H	R= 20.0RE

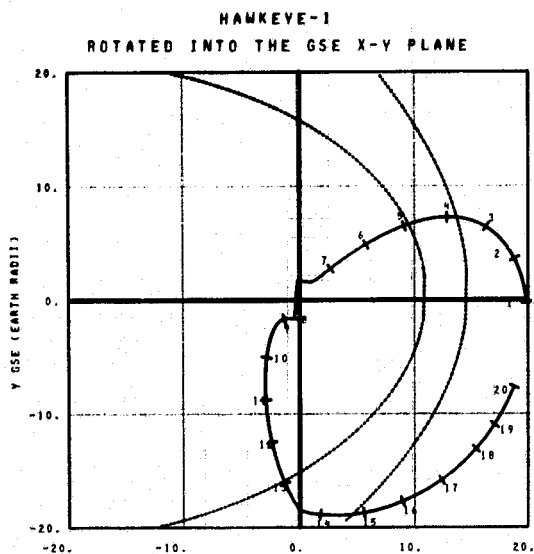
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/135/ 6.00H TO 1976/137/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/135/ 6.50H	R= 19.3RE	11 - 1976/136/ 1.90H	R= 1.0RE
2 - 1976/135/ 9.50H	R= 18.6RE	12 - 1976/136/ 1.90H	R= 2.0RE
3 - 1976/135/ 9.50H	R= 18.6RE	13 - 1976/136/ 2.13H	R= 3.1RE
4 - 1976/135/ 9.50H	R= 18.2RE	14 - 1976/136/ 4.00H	R= 6.0RE
5 - 1976/135/ 11.00H	R= 17.9RE	15 - 1976/136/ 11.33H	R= 14.0RE
6 - 1976/135/ 10.33H	R= 11.9RE	16 - 1976/136/ 23.67H	R= 20.1RE
7 - 1976/135/ 10.33H	R= 11.9RE		
8 - 1976/135/ 19.33H	R= 10.9RE		
9 - 1976/135/ 19.67H	R= 10.6RE		
10 - 1976/135/ 22.50H	R= 6.4RE		
11 - 1976/136/ 0.33H	R= 3.1RE		
12 - 1976/136/ 0.92H	R= 1.0RE		
13 - 1976/136/ 1.10H	R= 1.7RE		
14 - 1976/136/ 1.82H	R= 1.7RE		

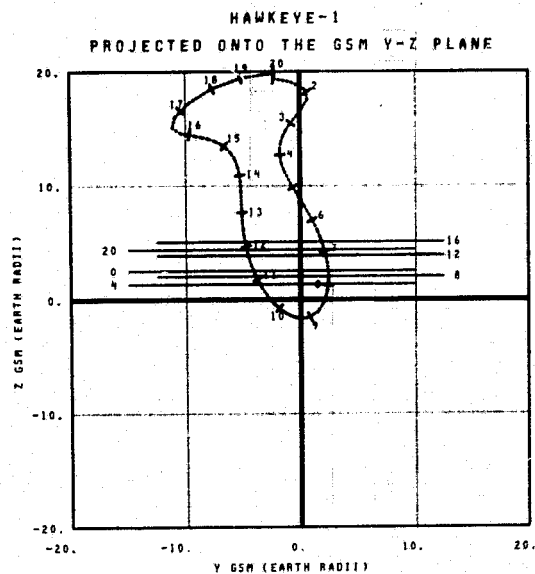
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/135 / 6.00H TO 1976/137 / 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/137/ 7.17H	LAT= 79.2	11- 1976/138/ 6.92H	LAT= 52.9
2- 1976/137/ 10.17H	LAT= 76.6	12- 1976/138/ 12.00H	LAT= 49.1
3- 1976/137/ 14.17H	LAT= 72.1	13- 1976/138/ 16.33H	LAT= 72.7
4- 1976/137/ 18.50H	LAT= 65.2	14- 1976/138/ 22.00H	LAT= 79.2
5- 1976/137/ 22.33H	LAT= 55.3	15- 1976/138/ 24.00H	LAT= 80.6
6- 1976/138/ 1.00H	LAT= 41.3	16- 1976/139/ 1.50H	LAT= 81.4
7- 1976/138/ 3.17H	LAT= 10.7	17- 1976/139/ 3.00H	LAT= 81.8
8- 1976/138/ 4.50H	LAT= -75.8	18- 1976/139/ 4.50H	LAT= 81.8
9- 1976/138/ 4.05H	LAT= -30.5	19- 1976/139/ 5.50H	LAT= 81.7
10- 1976/138/ 6.67H	LAT= 34.6	20- 1976/139/ 7.00H	LAT= 81.2

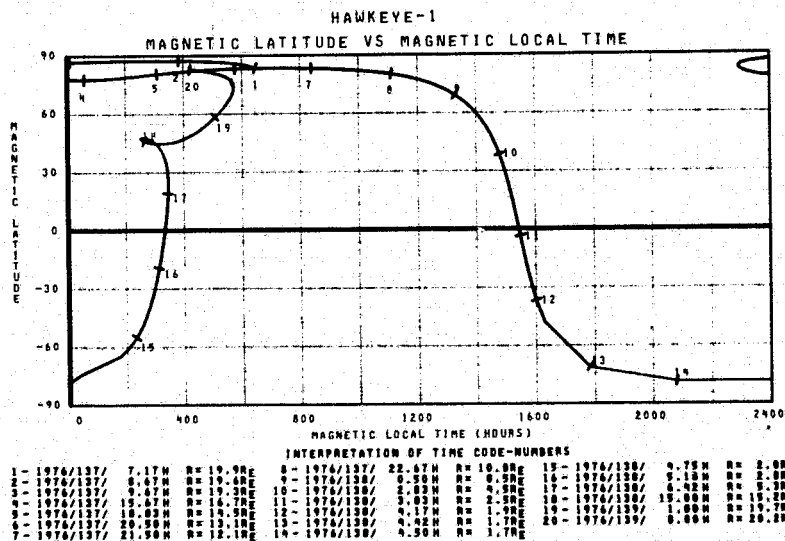
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/137/ 7.00H TO 1976/139/ 8.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/137/ 7.17H	R= 19.9RE	11- 1976/138/ 6.25H	R= 5.8RE
2- 1976/137/ 11.17H	R= 18.8RE	12- 1976/138/ 7.50H	R= 7.3RE
3- 1976/137/ 16.17H	R= 16.4RE	13- 1976/138/ 9.25H	R= 9.7RE
4- 1976/137/ 19.50H	R= 13.9RE	14- 1976/138/ 11.67H	R= 12.4RE
5- 1976/137/ 22.33H	R= 11.2RE	15- 1976/138/ 14.83H	R= 15.1RE
6- 1976/138/ 0.50H	R= 8.9RE	16- 1976/138/ 18.50H	R= 17.4RE
7- 1976/138/ 2.00H	R= 6.1RE	17- 1976/139/ 0.50H	R= 19.6RE
8- 1976/138/ 3.25H	R= 5.7RE	18- 1976/139/ 3.50H	R= 20.1RE
9- 1976/138/ 4.33H	R= 1.7RE	19- 1976/139/ 5.50H	R= 20.3RE
10- 1976/138/ 5.15H	R= 2.7RE	20- 1976/139/ 8.00H	R= 20.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/137/ 7.00H TO 1976/139/ 8.00H



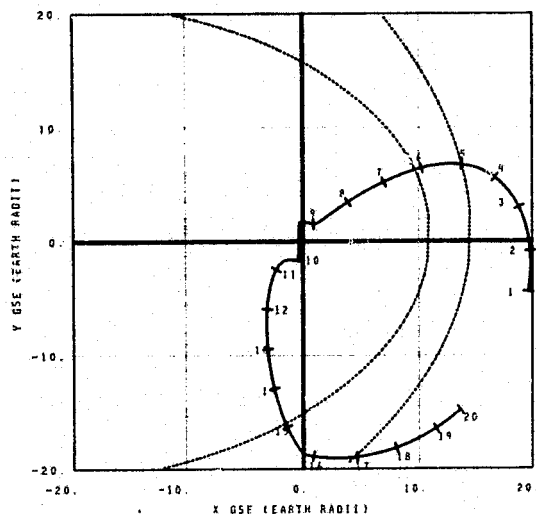
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/137/ 7.17H	R= 19.9RE	8- 1976/137/ 22.67H	R= 10.8RE	15- 1976/138/ 4.75H	R= 2.8RE
2- 1976/137/ 8.67H	R= 19.6RE	9- 1976/138/ 0.50H	R= 0.5RE	16- 1976/138/ 6.42H	R= 5.3RE
3- 1976/137/ 9.67H	R= 19.3RE	10- 1976/138/ 2.83H	R= 4.5RE	17- 1976/138/ 8.42H	R= 9.3RE
4- 1976/137/ 15.67H	R= 14.7RE	11- 1976/138/ 3.83H	R= 2.8RE	18- 1976/138/ 15.00H	R= 15.2RE
5- 1976/137/ 18.83H	R= 14.5RE	12- 1976/138/ 4.17H	R= 1.7RE	19- 1976/139/ 1.00H	R= 15.2RE
6- 1976/137/ 21.50H	R= 12.1RE	13- 1976/138/ 4.46H	R= 1.7RE	20- 1976/139/ 0.60H	R= 20.2RE
7- 1976/137/ 21.50H	R= 12.1RE	14- 1976/138/ 4.50H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/137 / 7.00H TO 1976/139 / 8.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/139/ 8.50H	LAT= 80.5	11- 1976/140/ 8.67H	LAT= 7.2
2- 1976/139/ 10.50H	LAT= 79.2	12- 1976/140/ 10.42H	LAT= 40.7
3- 1976/139/ 13.50H	LAT= 76.4	13- 1976/140/ 12.47H	LAT= 55.4
4- 1976/139/ 17.00H	LAT= 72.6	14- 1976/140/ 15.67H	LAT= 65.2
5- 1976/139/ 20.03H	LAT= 66.9	15- 1976/140/ 19.03H	LAT= 73.1
6- 1976/140/ 0.67H	LAT= 58.2	16- 1976/141/ 1.17H	LAT= 79.1
7- 1976/140/ 3.50H	LAT= 46.7	17- 1976/141/ 3.17H	LAT= 80.6
8- 1976/140/ 5.47H	LAT= 26.3	18- 1976/141/ 4.67H	LAT= 81.3
9- 1976/140/ 7.42H	LAT= -58.3	19- 1976/141/ 6.17H	LAT= 81.7
10- 1976/140/ 7.68H	LAT= -77.5	20- 1976/141/ 7.17H	LAT= 81.8

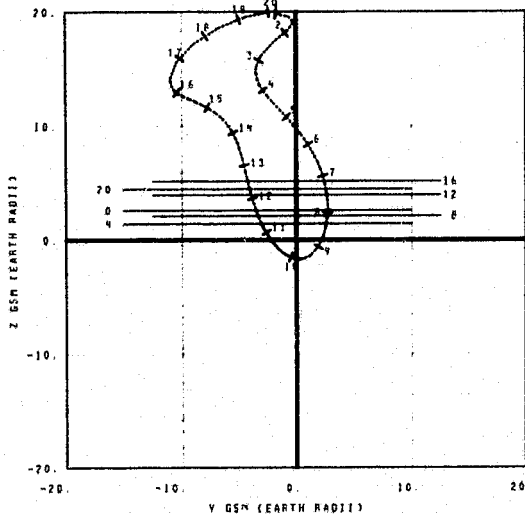
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/139/ 8.00H TO 1976/141/ 9.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/139/ 8.50H	R= 20.1R _E	11- 1976/140/ 8.60H	R= 3.7R _E
2- 1976/139/ 10.50H	R= 18.9R _E	12- 1976/140/ 10.08H	R= 4.1R _E
3- 1976/139/ 13.50H	R= 16.9R _E	13- 1976/140/ 11.67H	R= 8.4R _E
4- 1976/139/ 17.00H	R= 14.5R _E	14- 1976/140/ 13.03H	R= 11.3R _E
5- 1976/140/ 0.67H	R= 12.1R _E	15- 1976/140/ 16.03H	R= 14.2R _E
6- 1976/140/ 2.67H	R= 9.9R _E	16- 1976/140/ 20.33H	R= 16.6R _E
7- 1976/140/ 4.33H	R= 7.5R _E	17- 1976/141/ 1.17H	R= 18.9R _E
8- 1976/140/ 5.83H	R= 5.0R _E	18- 1976/141/ 3.47H	R= 19.6R _E
9- 1976/140/ 7.00H	R= 2.5R _E	19- 1976/141/ 6.17H	R= 20.1R _E
10- 1976/140/ 7.87H	R= 1.6R _E	20- 1976/141/ 8.67H	R= 20.3R _E

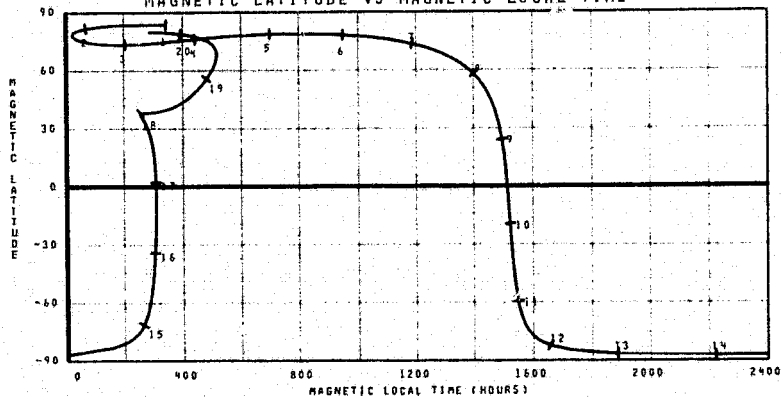
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/139/ 8.00H TO 1976/141/ 9.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

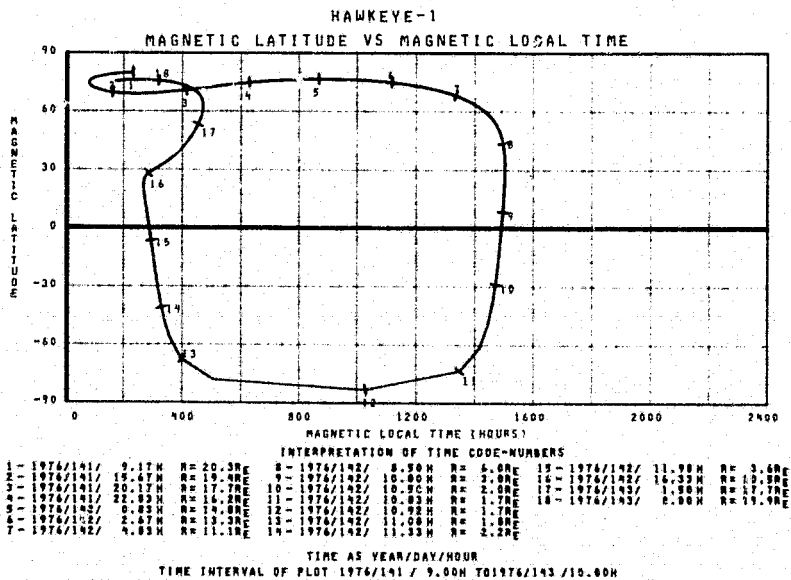
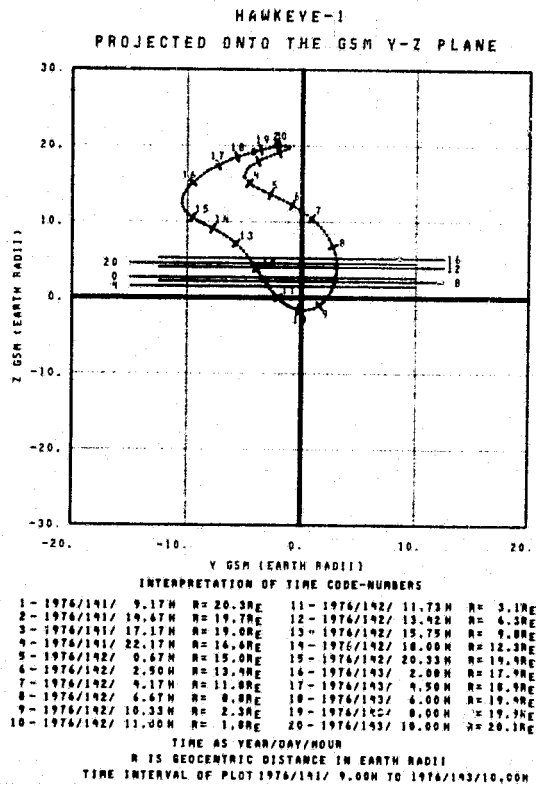
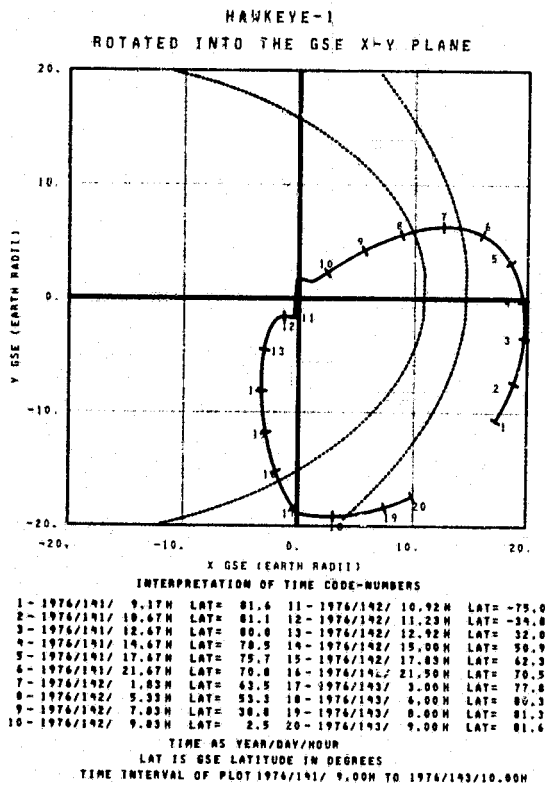


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/139/ 8.50H	R= 20.1R _E	8- 1976/140/ 4.08H	R= 7.9R _E	15- 1976/140/ 7.82H	R= 1.8R _E
2- 1976/139/ 10.50H	R= 19.9R _E	9- 1976/140/ 6.33H	R= 4.0R _E	16- 1976/140/ 8.15H	R= 2.3R _E
3- 1976/139/ 17.00H	R= 17.7R _E	10- 1976/140/ 7.17H	R= 2.2R _E	17- 1976/140/ 8.45H	R= 5.8R _E
4- 1976/139/ 20.17H	R= 15.9R _E	11- 1976/140/ 7.50H	R= 1.7R _E	18- 1976/140/ 10.00H	R= 11.3R _E
5- 1976/139/ 22.33H	R= 14.3R _E	12- 1976/140/ 7.65H	R= 1.7R _E	19- 1976/141/ 3.47H	R= 19.6R _E
6- 1976/140/ 0.67H	R= 12.1R _E	13- 1976/140/ 7.68H	R= 1.7R _E	20- 1976/141/ 8.67H	R= 20.3R _E
7- 1976/140/ 3.50H	R= 11.2R _E	14- 1976/140/ 7.70H	R= 1.7R _E		

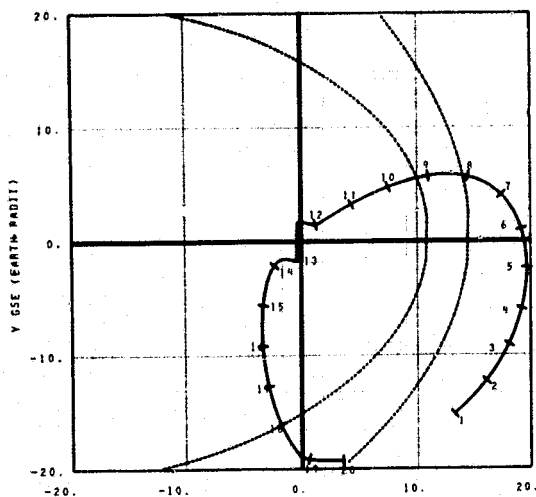
TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/139/ 8.00H TO 1976/141/ 9.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/193/ 10.50H	LAT= 81.6	11 - 1976/194/ 12.00H	LAT= 27.9
2 - 1976/193/ 12.00H	LAT= 81.7	12 - 1976/194/ 13.75H	LAT= -46.7
3 - 1976/193/ 13.50H	LAT= 81.2	13 - 1976/194/ 15.12H	LAT= -74.7
4 - 1976/193/ 15.00H	LAT= 80.5	14 - 1976/194/ 15.00H	LAT= -3.2
5 - 1976/193/ 17.00H	LAT= 79.2	15 - 1976/194/ 16.75H	LAT= 39.4
6 - 1976/193/ 19.50H	LAT= 77.1	16 - 1976/194/ 19.00H	LAT= 59.8
7 - 1976/193/ 23.00H	LAT= 73.3	17 - 1976/194/ 22.00H	LAT= 64.8
8 - 1976/194/ 3.00H	LAT= 67.5	18 - 1976/195/ 2.00H	LAT= 72.5
9 - 1976/194/ 6.03H	LAT= 59.1	19 - 1976/195/ 8.33H	LAT= 79.4
10 - 1976/194/ 9.03H	LAT= 47.4	20 - 1976/195/ 9.03H	LAT= 80.4

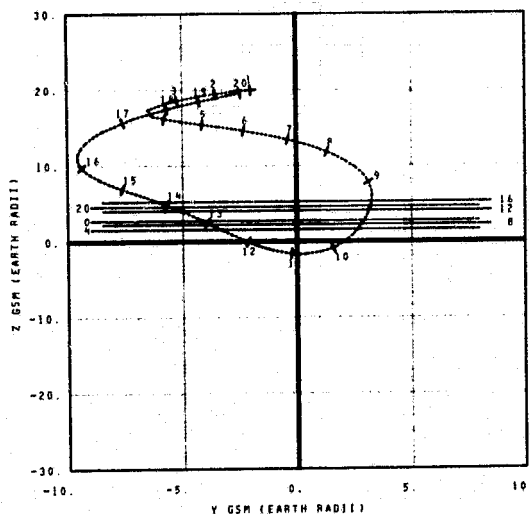
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/193/10.00H TO 1976/195/11.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/193/ 10.50H	R= 20.2RE	11 - 1976/194/ 14.22H	R= 1.0RE
2 - 1976/193/ 12.00H	R= 20.1RE	12 - 1976/194/ 15.00H	R= 3.2RE
3 - 1976/193/ 13.50H	R= 19.7RE	13 - 1976/194/ 14.25H	R= 5.7RE
4 - 1976/193/ 15.00H	R= 17.9RE	14 - 1976/194/ 17.03H	R= 8.2RE
5 - 1976/194/ 1.00H	R= 16.9RE	15 - 1976/194/ 19.03H	R= 10.0RE
6 - 1976/194/ 2.67H	R= 15.0RE	16 - 1976/194/ 22.03H	R= 13.0RE
7 - 1976/194/ 4.33H	R= 14.6RE	17 - 1976/195/ 4.33H	R= 17.5RE
8 - 1976/194/ 6.00H	R= 13.2RE	18 - 1976/195/ 6.33H	R= 18.4RE
9 - 1976/194/ 9.00H	R= 10.0RE	19 - 1976/195/ 7.03H	R= 19.0RE
10 - 1976/194/ 13.50H	R= 2.4RE	20 - 1976/195/ 10.03H	R= 19.0RE

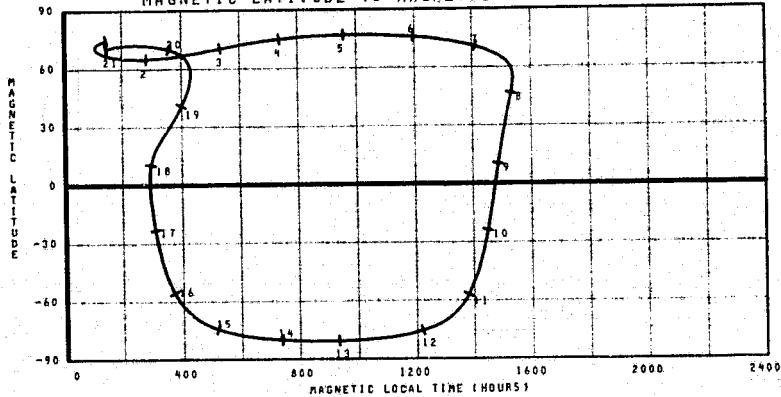
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/193/10.00H TO 1976/195/11.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

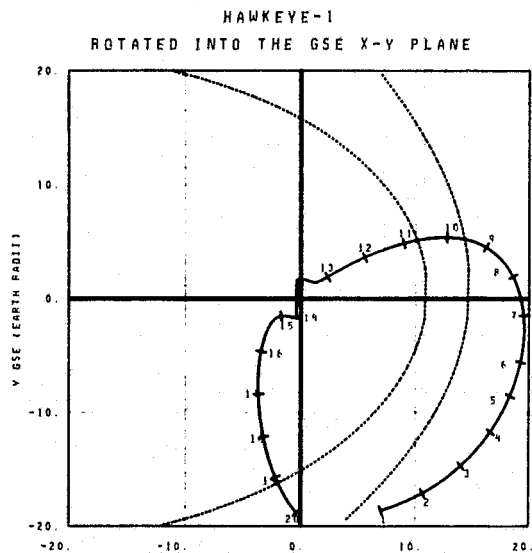


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/193/ 10.50H	R= 20.2RE	11 - 1976/194/ 11.92H	R= 3.6RE	15 - 1976/194/ 14.30H	R= 1.0RE
2 - 1976/193/ 12.00H	R= 19.6RE	12 - 1976/194/ 13.33H	R= 2.7RE	16 - 1976/194/ 14.00H	R= 2.1RE
3 - 1976/193/ 13.50H	R= 18.1RE	13 - 1976/194/ 13.75H	R= 2.0RE	17 - 1976/194/ 15.00H	R= 5.2RE
4 - 1976/194/ 1.00H	R= 16.9RE	14 - 1976/194/ 14.00H	R= 1.7RE	18 - 1976/194/ 16.90H	R= 4.0RE
5 - 1976/194/ 2.03H	R= 15.7RE	15 - 1976/194/ 14.10H	R= 1.7RE	19 - 1976/194/ 23.00H	R= 10.0RE
6 - 1976/194/ 4.67H	R= 14.3RE	16 - 1976/194/ 14.23H	R= 1.0RE	20 - 1976/195/ 4.00H	R= 10.0RE
7 - 1976/194/ 7.00H	R= 12.2RE	17 - 1976/195/ 10.03H	R= 19.0RE		

TIME AS YEAR/DAY/HOUR

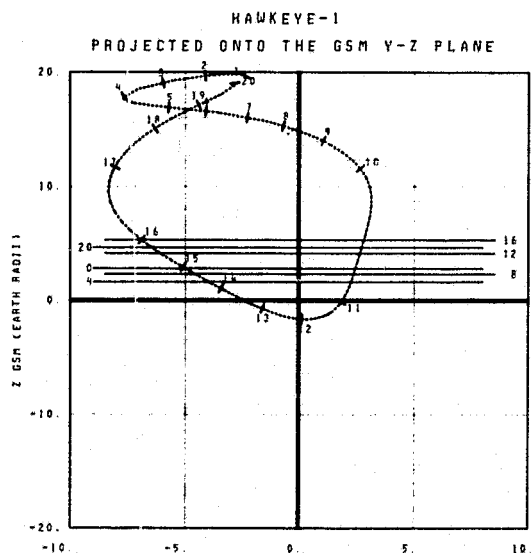
TIME INTERVAL OF PLOT 1976/193/10.00H TO 1976/195/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/145/ 11.33H	LAT= 81.9	11- 1976/146/ 12.00H	LAT= 52.5
2- 1976/145/ 12.03H	LAT= 81.8	12- 1976/146/ 14.50H	LAT= 36.6
3- 1976/145/ 14.33H	LAT= 81.8	13- 1976/146/ 16.42H	LAT= -4.4
4- 1976/145/ 15.03H	LAT= 81.4	14- 1976/146/ 17.33H	LAT= -76.3
5- 1976/145/ 17.33H	LAT= 81.0	15- 1976/146/ 17.78H	LAT= -23.3
6- 1976/145/ 18.03H	LAT= 80.2	16- 1976/146/ 19.50H	LAT= 34.1
7- 1976/145/ 21.33H	LAT= 78.4	17- 1976/146/ 21.47H	LAT= 52.1
8- 1976/146/ 0.33H	LAT= 75.5	18- 1976/147/ 0.47H	LAT= 63.3
9- 1976/146/ 4.33H	LAT= 70.5	19- 1976/147/ 9.47H	LAT= 71.6
10- 1976/146/ 8.50H	LAT= 63.1	20- 1976/147/ 10.50H	LAT= 76.7

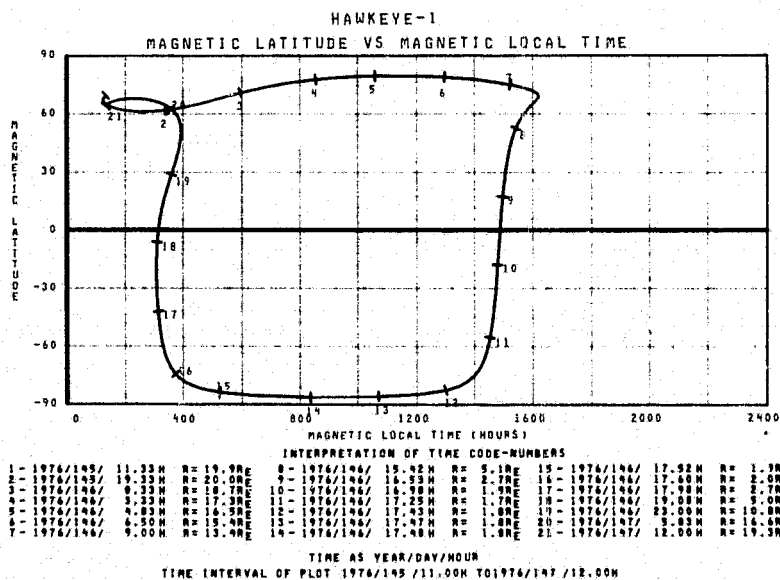
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/145/11.00H TO 1976/147/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

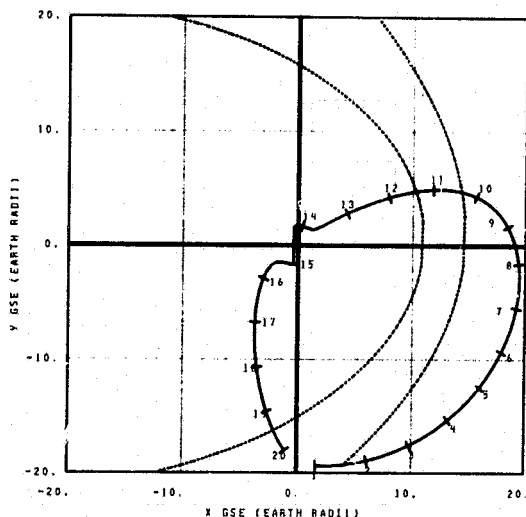
1- 1976/145/ 11.33H	R= 19.9RE	11- 1976/146/ 14.50H	R= 2.0RE
2- 1976/145/ 12.03H	R= 20.3RE	12- 1976/146/ 17.42H	R= 1.0RE
3- 1976/145/ 14.33H	R= 20.2RE	13- 1976/146/ 18.05H	R= 2.0RE
4- 1976/145/ 15.03H	R= 20.3RE	14- 1976/146/ 19.00H	R= 4.0RE
5- 1976/146/ 0.03H	R= 18.5RE	15- 1976/146/ 20.17H	R= 6.1RE
6- 1976/146/ 2.33H	R= 17.8RE	16- 1976/146/ 21.92H	R= 9.4RE
7- 1976/146/ 3.03H	R= 17.1RE	17- 1976/147/ 2.03H	R= 14.5RE
8- 1976/146/ 5.17H	R= 16.3RE	18- 1976/147/ 5.47H	R= 16.5RE
9- 1976/146/ 6.03H	R= 15.1RE	19- 1976/147/ 8.00H	R= 17.7RE
10- 1976/146/ 9.17H	R= 13.2RE	20- 1976/147/ 12.00H	R= 19.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/145/11.00H TO 1976/147/12.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/197/ 12.50H	LAT= 80.3	11- 1976/198/ 12.03H	LAT= 60.9
2- 1976/197/ 14.50H	LAT= 81.3	12- 1976/198/ 14.17H	LAT= 40.0
3- 1976/197/ 16.00H	LAT= 81.8	13- 1976/198/ 16.58H	LAT= 25.9
4- 1976/197/ 17.50H	LAT= 81.8	14- 1976/198/ 20.42H	LAT= -77.7
5- 1976/197/ 19.00H	LAT= 81.4	15- 1976/198/ 20.55H	LAT= -75.9
6- 1976/197/ 20.50H	LAT= 81.1	16- 1976/198/ 21.92H	LAT= 19.4
7- 1976/197/ 22.50H	LAT= 79.9	17- 1976/198/ 23.92H	LAT= 46.0
8- 1976/198/ 1.00H	LAT= 78.0	18- 1976/199/ 2.47H	LAT= 59.6
9- 1976/198/ 4.00H	LAT= 75.1	19- 1976/199/ 6.50H	LAT= 69.2
10- 1976/198/ 8.50H	LAT= 69.1	20- 1976/199/ 11.83H	LAT= 76.9

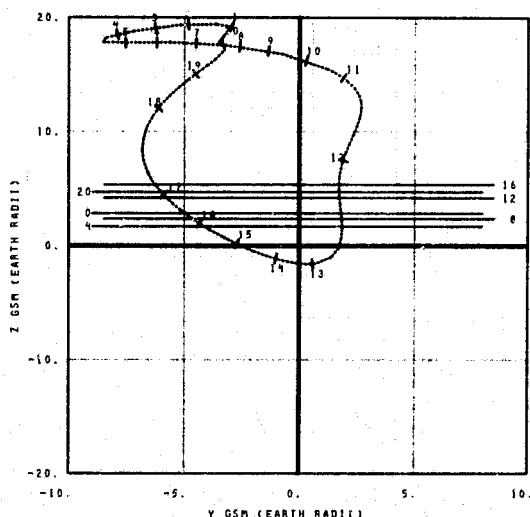
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/197/12.00H TO 1976/199/13.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/197/ 12.50H	R= 19.9RE	11- 1976/198/ 9.00H	R= 15.9RE
2- 1976/197/ 15.50H	R= 20.0RE	12- 1976/198/ 15.03H	R= 9.4RE
3- 1976/197/ 17.00H	R= 20.2RE	13- 1976/198/ 20.55H	R= 1.7RE
4- 1976/197/ 19.00H	R= 20.3RE	14- 1976/198/ 21.10H	R= 2.5RE
5- 1976/197/ 24.00H	R= 19.7RE	15- 1976/198/ 21.03H	R= 4.0RE
6- 1976/198/ 1.50H	R= 19.4RE	16- 1976/198/ 22.03H	R= 6.0RE
7- 1976/198/ 3.00H	R= 18.9RE	17- 1976/199/ 0.33H	R= 8.3RE
8- 1976/198/ 4.50H	R= 18.3RE	18- 1976/199/ 5.33H	R= 13.9RE
9- 1976/198/ 5.50H	R= 17.9RE	19- 1976/199/ 8.00H	R= 15.9RE
10- 1976/198/ 7.00H	R= 17.1RE	20- 1976/199/ 12.03H	R= 18.3RE

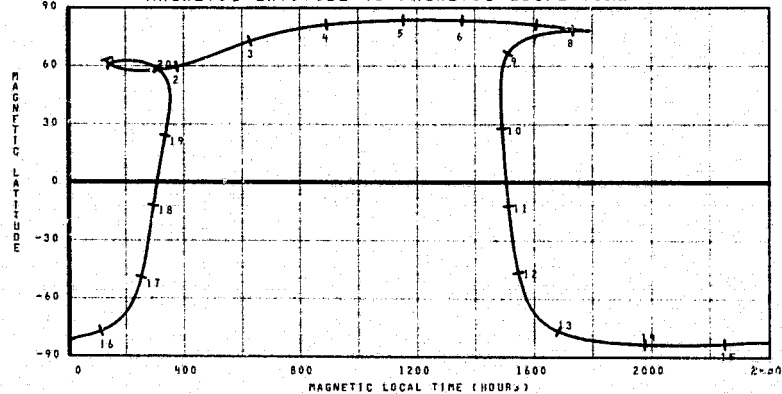
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADI

TIME INTERVAL OF PLOT 1976/197/12.00H TO 1976/199/13.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

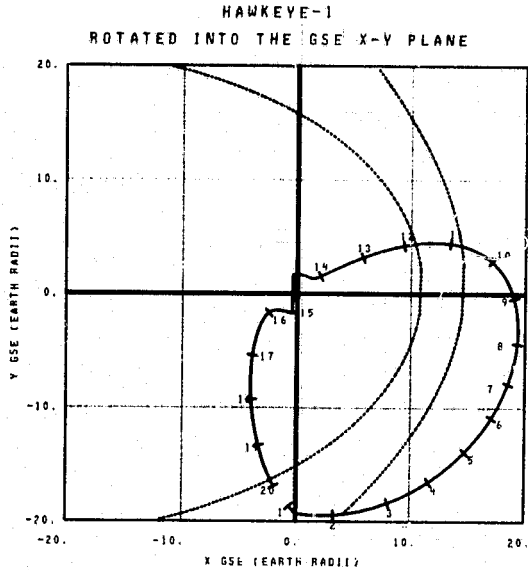


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/197/ 12.50H	R= 19.9RE	8- 1976/198/ 15.33H	R= 10.1RE	15- 1976/198/ 20.72H	R= 1.8RE
2- 1976/197/ 20.50H	R= 20.2RE	9- 1976/198/ 18.08H	R= 6.1RE	16- 1976/198/ 20.78H	R= 1.9RE
3- 1976/198/ 2.00H	R= 19.2RE	10- 1976/198/ 19.07H	R= 2.9RE	17- 1976/198/ 21.08H	R= 2.3RE
4- 1976/198/ 5.00H	R= 18.1RE	11- 1976/198/ 20.17H	R= 2.0RE	18- 1976/198/ 21.52H	R= 4.2RE
5- 1976/198/ 6.50H	R= 17.4RE	12- 1976/198/ 20.42H	R= 1.7RE	19- 1976/199/ 0.42H	R= 8.5RE
6- 1976/198/ 7.50H	R= 16.8RE	13- 1976/198/ 20.62H	R= 1.7RE	20- 1976/199/ 6.33H	R= 14.7RE
7- 1976/198/ 9.33H	R= 15.7RE	14- 1976/198/ 20.68H	R= 1.9RE		

TIME AS YEAR/DAY/HOUR

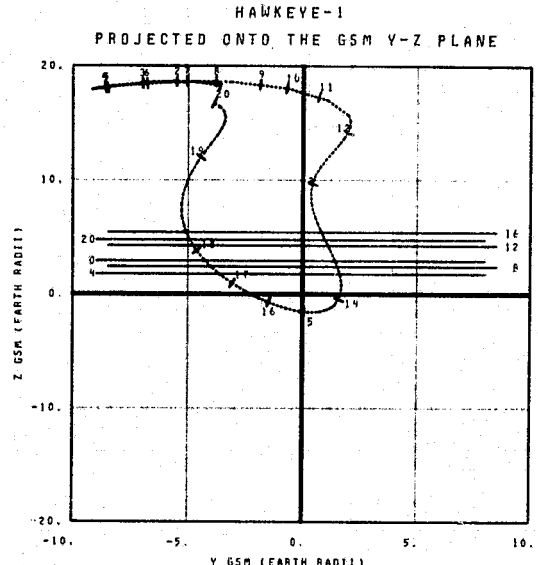
TIME INTERVAL OF PLOT 1976/197/12.00H TO 1976/199/13.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/149/ 13.33H	LAT= 78.4	11- 1976/150/ 14.50H	LAT= 64.1
2- 1976/149/ 16.03H	LAT= 80.9	12- 1976/150/ 18.33H	LAT= 53.0
3- 1976/149/ 18.03H	LAT= 81.7	13- 1976/150/ 21.00H	LAT= 36.0
4- 1976/149/ 20.33H	LAT= 81.9	14- 1976/150/ 23.08H	LAT= -18.5
5- 1976/149/ 21.03H	LAT= 81.7	15- 1976/150/ 23.77H	LAT= -79.5
6- 1976/149/ 23.33H	LAT= 81.3	16- 1976/151/ 0.52H	LAT= -2.9
7- 1976/150/ 0.03H	LAT= 80.5	17- 1976/151/ 2.42H	LAT= 39.7
8- 1976/150/ 2.03H	LAT= 79.2	18- 1976/151/ 4.03H	LAT= 59.5
9- 1976/150/ 5.03H	LAT= 76.6	19- 1976/151/ 6.33H	LAT= 66.3
10- 1976/150/ 9.03H	LAT= 71.9	20- 1976/151/ 13.00H	LAT= 74.3

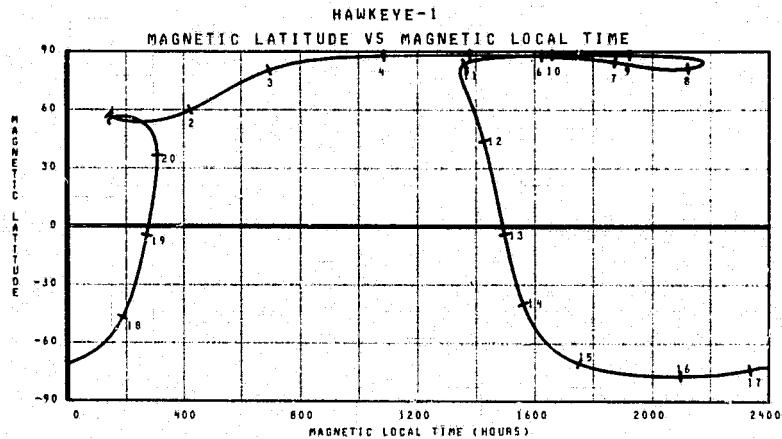
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/149/13.00H TO 1976/151/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/149/ 13.33H	R= 18.6RE	11- 1976/150/ 8.33H	R= 18.0RE
2- 1976/149/ 16.03H	R= 19.0RE	12- 1976/150/ 12.03H	R= 15.5RE
3- 1976/149/ 17.33H	R= 19.0RE	13- 1976/150/ 17.50H	R= 11.3RE
4- 1976/149/ 19.33H	R= 20.1RE	14- 1976/150/ 23.17H	R= 2.3RE
5- 1976/149/ 23.03H	R= 20.2RE	15- 1976/150/ 23.95H	R= 1.9RE
6- 1976/150/ 1.03H	R= 20.0RE	16- 1976/151/ 0.52H	R= 2.9RE
7- 1976/150/ 3.33H	R= 19.7RE	17- 1976/151/ 1.33H	R= 4.6RE
8- 1976/150/ 4.33H	R= 19.5RE	18- 1976/151/ 2.75H	R= 7.1RE
9- 1976/150/ 5.03H	R= 19.0RE	19- 1976/151/ 7.03H	R= 13.2RE
10- 1976/150/ 6.03H	R= 18.7RE	20- 1976/151/ 13.50H	R= 17.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/149/13.00H TO 1976/151/14.00H



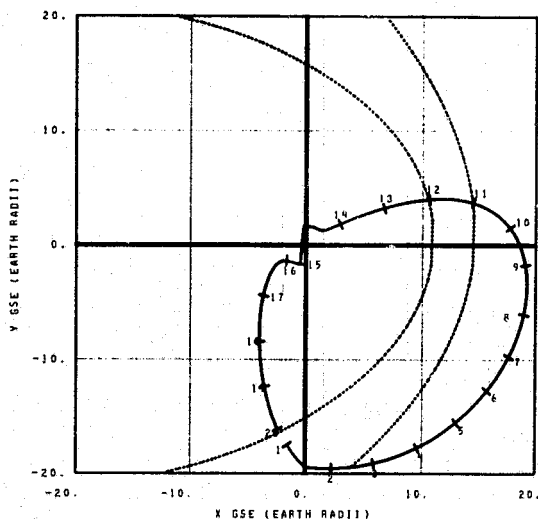
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/149/ 13.33H	R= 18.6RE	8- 1976/150/ 14.50H	R= 14.2RE	15- 1976/150/ 23.77H	R= 1.7RE
2- 1976/149/ 16.03H	R= 19.0RE	9- 1976/150/ 17.33H	R= 10.9RE	16- 1976/150/ 23.03H	R= 1.8RE
3- 1976/149/ 18.03H	R= 19.3RE	10- 1976/150/ 18.17H	R= 10.5RE	17- 1976/150/ 23.03H	R= 1.8RE
4- 1976/149/ 20.33H	R= 18.5RE	11- 1976/150/ 19.17H	R= 9.3RE	18- 1976/151/ 0.22H	R= 2.3RE
5- 1976/150/ 7.03H	R= 18.5RE	12- 1976/150/ 23.33H	R= 4.1RE	19- 1976/151/ 1.08H	R= 4.1RE
6- 1976/150/ 8.33H	R= 18.0RE	13- 1976/150/ 23.25H	R= 2.2RE	20- 1976/151/ 4.00H	R= 9.0RE
7- 1976/150/ 9.03H	R= 17.5RE	14- 1976/150/ 23.55H	R= 1.8RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/149/13.00H TO 1976/151/14.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/151/ 14.00H	LAT= 75.6	11- 1976/152/ 16.67H	LAT= 46.3
2- 1976/151/ 20.00H	LAT= 80.9	12- 1976/152/ 20.67H	LAT= 56.4
3- 1976/151/ 21.50H	LAT= 81.5	13- 1976/152/ 23.67H	LAT= 41.1
4- 1976/151/ 23.00H	LAT= 81.8	14- 1976/153/ 1.00H	LAT= 5.3
5- 1976/152/ 0.50H	LAT= 81.8	15- 1976/153/ 3.00H	LAT= -73.0
6- 1976/152/ 2.00H	LAT= 87.7	16- 1976/153/ 3.38H	LAT= -27.0
7- 1976/152/ 3.50H	LAT= 79.7	17- 1976/153/ 5.17H	LAT= 34.2
8- 1976/152/ 5.50H	LAT= 77.2	18- 1976/153/ 7.50H	LAT= 52.9
9- 1976/152/ 8.50H	LAT= 77.2	19- 1976/153/ 10.67H	LAT= 64.1
10- 1976/152/ 12.00H	LAT= 73.4	20- 1976/153/ 15.00H	LAT= 72.5

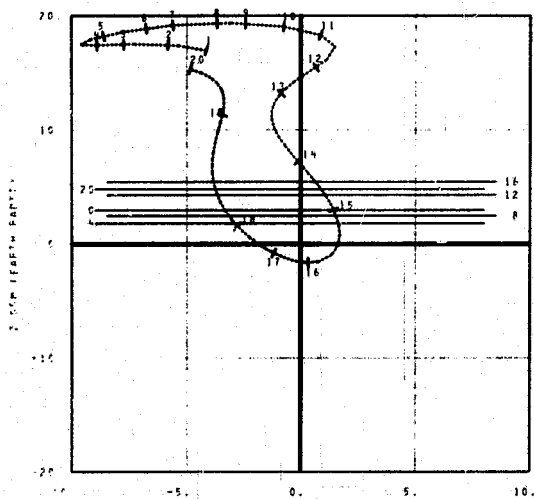
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/151/14.00H TO 1976/153/15.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/151/ 14.00H	R= 17.5RE	11- 1976/152/ 9.50H	R= 18.9RE
2- 1976/151/ 16.00H	R= 18.4RE	12- 1976/152/ 14.50H	R= 16.5RE
3- 1976/151/ 18.00H	R= 19.1RE	13- 1976/152/ 17.33H	R= 14.5RE
4- 1976/151/ 19.50H	R= 19.6RE	14- 1976/152/ 22.50H	R= 9.1RE
5- 1976/152/ 0.50H	R= 20.3RE	15- 1976/153/ 0.92H	R= 5.3RE
6- 1976/152/ 2.50H	R= 20.2RE	16- 1976/153/ 3.00H	R= 1.7RE
7- 1976/152/ 3.50H	R= 20.2RE	17- 1976/153/ 3.58H	R= 2.6RE
8- 1976/152/ 5.00H	R= 20.0RE	18- 1976/153/ 4.58H	R= 4.7RE
9- 1976/152/ 6.00H	R= 19.8RE	19- 1976/153/ 10.17H	R= 12.4RE
10- 1976/152/ 7.50H	R= 19.5RE	20- 1976/153/ 15.00H	R= 16.3RE

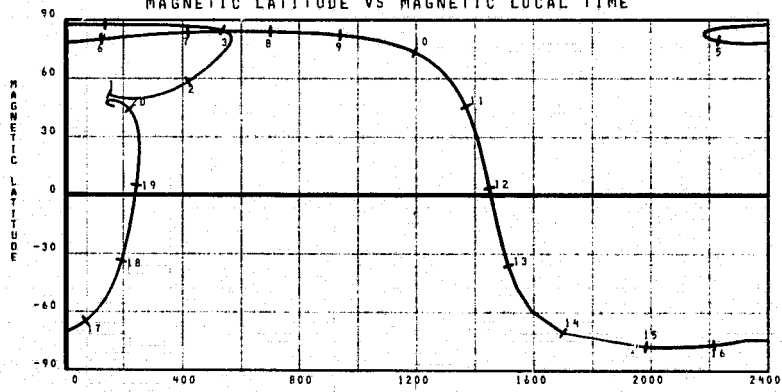
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/151/14.00H TO 1976/153/15.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

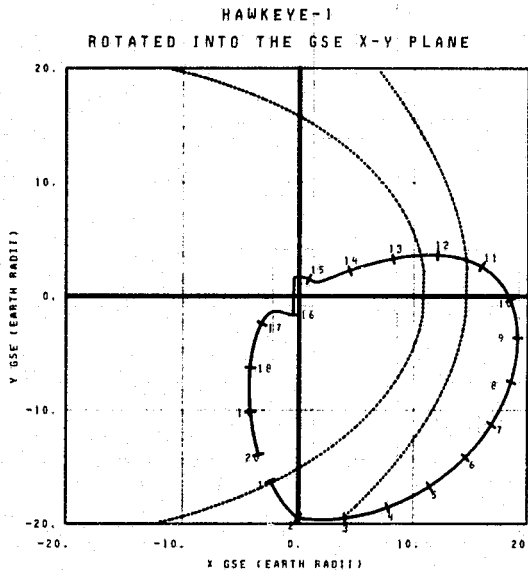


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/151/ 14.00H	R= 17.5RE	8- 1976/152/ 20.17H	R= 11.9RE	15- 1976/153/ 3.00H	R= 1.7RE
2- 1976/151/ 23.00H	R= 20.2RE	9- 1976/152/ 21.00H	R= 11.0RE	16- 1976/153/ 3.05H	R= 1.7RE
3- 1976/151/ 4.50H	R= 19.7RE	10- 1976/153/ 22.67H	R= 8.9RE	17- 1976/153/ 3.17H	R= 1.4RE
4- 1976/152/ 8.00H	R= 19.3RE	11- 1976/153/ 1.00H	R= 5.0RE	18- 1976/153/ 3.48H	R= 2.4RE
5- 1976/152/ 12.50H	R= 17.6RE	12- 1976/153/ 2.25H	R= 2.6RE	19- 1976/153/ 4.23H	R= 4.2RE
6- 1976/152/ 17.17H	R= 14.4RE	13- 1976/153/ 2.47H	R= 1.7RE	20- 1976/153/ 7.92H	R= 9.9RE
7- 1976/152/ 19.17H	R= 12.9RE	14- 1976/153/ 2.62H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR

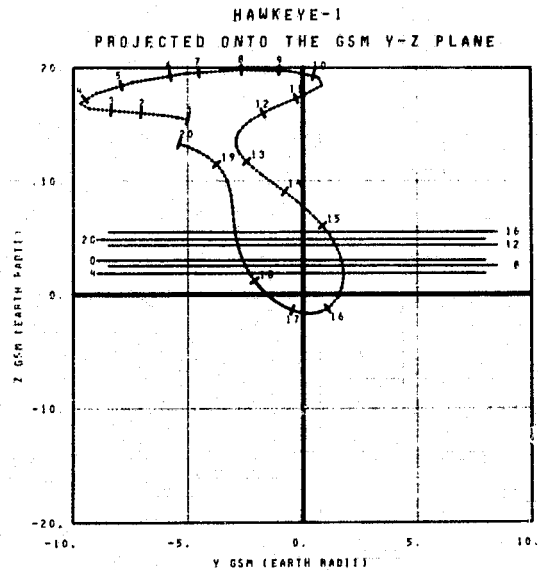
TIME INTERVAL OF PLOT 1976/151/14.00H TO 1976/153/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/153/ 15.17H	LAT= 72.8	11- 1976/154/ 18.33H	LAT= 69.1
2- 1976/153/ 22.33H	LAT= 80.3	12- 1976/154/ 22.67H	LAT= 60.1
3- 1976/154/ 0.33H	LAT= 81.4	13- 1976/155/ 1.92H	LAT= 47.6
4- 1976/154/ 1.83H	LAT= 81.8	14- 1976/155/ 4.33H	LAT= 23.9
5- 1976/154/ 3.33H	LAT= 81.9	15- 1976/155/ 6.03H	LAT= -74.4
6- 1976/154/ 4.83H	LAT= 81.6	16- 1976/155/ 6.22H	LAT= -72.7
7- 1976/154/ 6.33H	LAT= 81.1	17- 1976/155/ 7.45H	LAT= 16.4
8- 1976/154/ 8.33H	LAT= 80.0	18- 1976/155/ 9.42H	LAT= 44.7
9- 1976/154/ 10.83H	LAT= 78.0	19- 1976/155/ 12.00H	LAT= 58.3
10- 1976/154/ 13.83H	LAT= 75.1	20- 1976/155/ 15.50H	LAT= 67.7

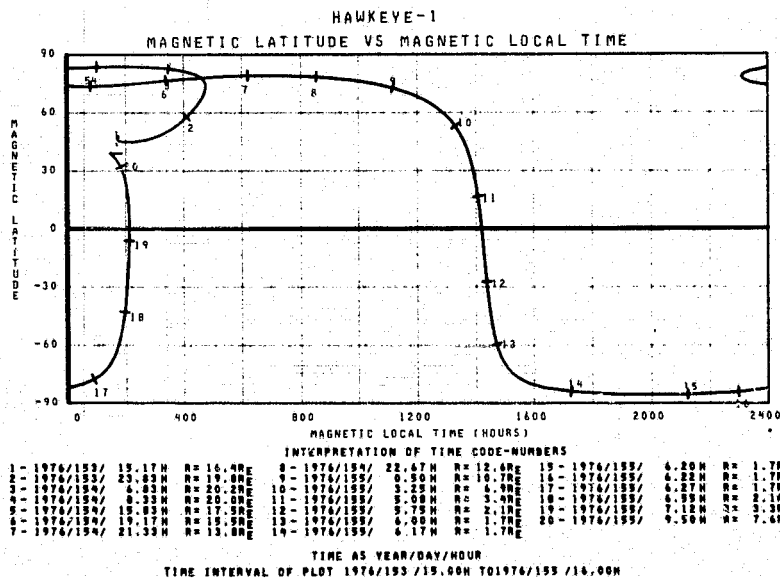
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/153/15.00H TO 1976/155/16.00H



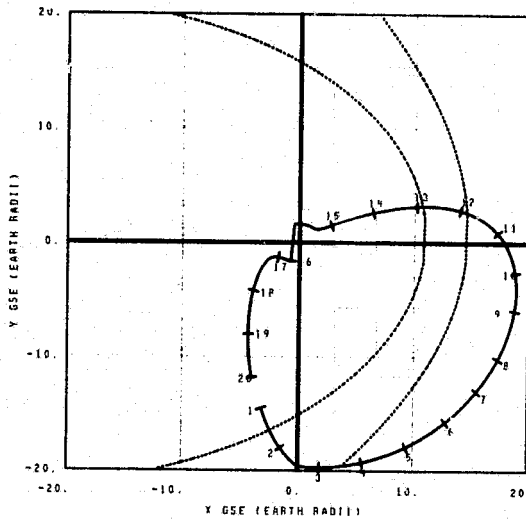
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/153/ 15.17H	R= 16.4RE	11- 1976/154/ 18.33H	R= 18.0RE
2- 1976/153/ 22.33H	R= 17.6RE	12- 1976/154/ 22.67H	R= 17.0RE
3- 1976/154/ 0.33H	R= 18.3RE	13- 1976/154/ 21.83H	R= 13.4RE
4- 1976/154/ 1.83H	R= 19.7RE	14- 1976/155/ 4.33H	R= 18.0RE
5- 1976/154/ 3.33H	R= 20.1RE	15- 1976/155/ 6.03H	R= 9.1RE
6- 1976/154/ 4.83H	R= 20.3RE	16- 1976/155/ 6.22H	R= 2.1RE
7- 1976/154/ 6.33H	R= 20.3RE	17- 1976/155/ 7.45H	R= 1.9RE
8- 1976/154/ 8.33H	R= 20.2RE	18- 1976/155/ 9.42H	R= 4.1RE
9- 1976/154/ 10.83H	R= 20.0RE	19- 1976/155/ 12.00H	R= 12.7RE
10- 1976/154/ 13.83H	R= 19.7RE	20- 1976/155/ 15.50H	R= 14.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/153/15.00H TO 1976/155/16.00H



HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

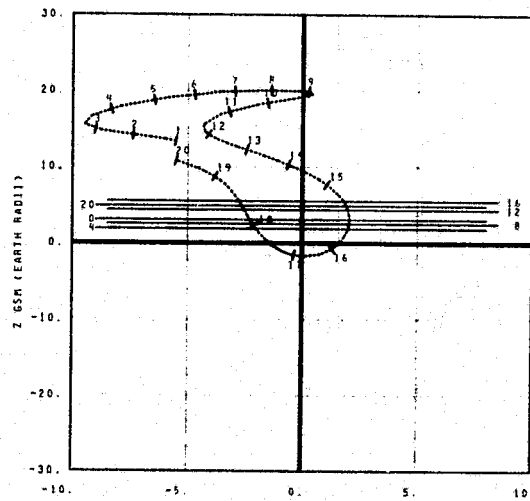
1- 1974/155/ 14.17H	LAT= 69.0	11- 1974/156/ 19.50H	LAT= 72.1
2- 1974/155/ 21.50H	LAT= 76.7	12- 1974/156/ 24.00H	LAT= 69.7
3- 1974/156/ 3.00H	LAT= 81.1	13- 1974/157/ 3.67H	LAT= 59.5
4- 1974/156/ 9.50H	LAT= 81.6	14- 1974/157/ 6.42H	LAT= 38.6
5- 1974/156/ 6.00H	LAT= 81.9	15- 1974/157/ 8.42H	LAT= -0.5
6- 1974/156/ 7.50H	LAT= 81.9	16- 1974/157/ 9.50H	LAT= -43.5
7- 1974/156/ 9.00H	LAT= 81.4	17- 1974/157/ 9.83H	LAT= -25.2
8- 1974/156/ 10.50H	LAT= 80.7	18- 1974/157/ 11.58H	LAT= 39.0
9- 1974/156/ 13.00H	LAT= 79.0	19- 1974/157/ 13.75H	LAT= 51.9
10- 1974/156/ 15.50H	LAT= 74.8	20- 1974/157/ 16.67H	LAT= 42.9

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/155/14.00H TO 1974/157/17.00H

HAWKEYE-L
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/155/ 14.17H	R= 14.8RE	11- 1974/156/ 17.50H	R= 18.3RE
2- 1974/155/ 21.50H	R= 16.2RE	12- 1974/156/ 21.03H	R= 15.9RE
3- 1974/156/ 3.00H	R= 17.4RE	13- 1974/157/ 3.50H	R= 13.9RE
4- 1974/156/ 9.50H	R= 19.5RE	14- 1974/157/ 2.50H	R= 12.0RE
5- 1974/156/ 6.00H	R= 19.9RE	15- 1974/157/ 4.50H	R= 9.7RE
6- 1974/156/ 7.50H	R= 20.1RE	16- 1974/157/ 8.67H	R= 2.6RE
7- 1974/156/ 9.00H	R= 20.2RE	17- 1974/157/ 9.53H	R= 1.8RE
8- 1974/156/ 10.50H	R= 20.3RE	18- 1974/157/ 11.08H	R= 4.0RE
9- 1974/156/ 13.00H	R= 20.1RE	19- 1974/157/ 19.33H	R= 10.5RE
10- 1974/156/ 15.50H	R= 19.0RE	20- 1974/157/ 17.00H	R= 12.0RE

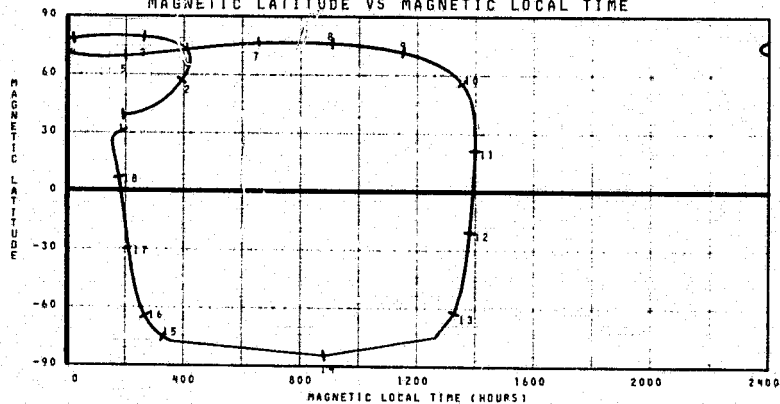
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/155/14.00H TO 1974/157/17.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

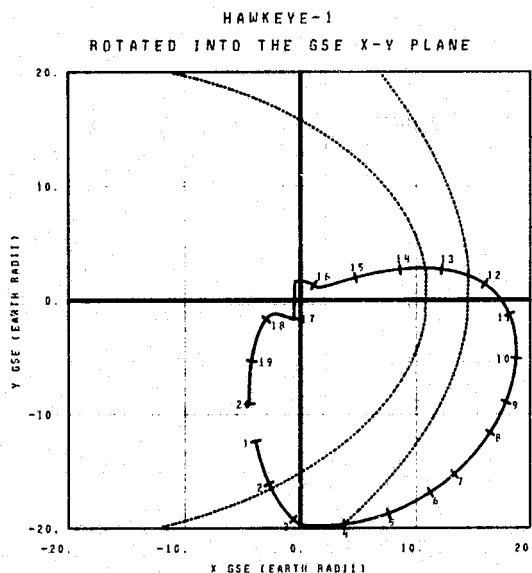


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/155/ 14.17H	R= 14.8RE	8- 1974/157/ 0.67H	R= 13.7RE	15- 1974/157/ 9.92H	R= 1.8RE
2- 1974/155/ 21.50H	R= 16.2RE	9- 1974/157/ 2.67H	R= 11.5RE	16- 1974/157/ 9.49H	R= 3.9RE
3- 1974/156/ 3.00H	R= 17.4RE	10- 1974/157/ 5.75H	R= 8.0RE	17- 1974/157/ 9.49H	R= 2.5RE
4- 1974/156/ 9.50H	R= 19.5RE	11- 1974/157/ 8.17H	R= 3.7RE	18- 1974/157/ 11.08H	R= 9.7RE
5- 1974/156/ 6.00H	R= 19.9RE	12- 1974/157/ 9.50H	R= 2.1RE		
6- 1974/156/ 7.50H	R= 20.1RE	13- 1974/157/ 9.83H	R= 2.5H		
7- 1974/156/ 9.00H	R= 20.2RE	14- 1974/157/ 9.42H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR

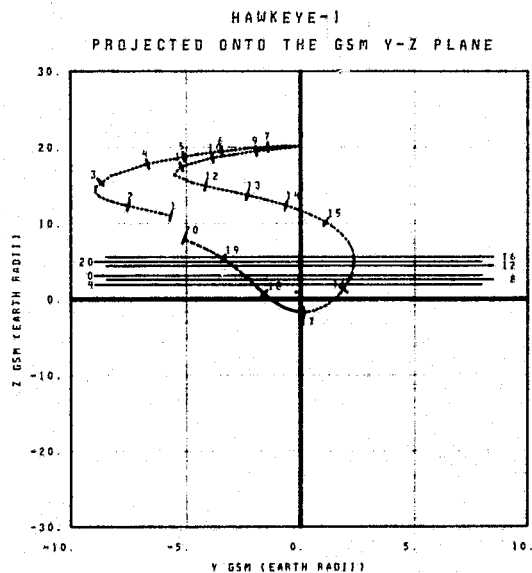
TIME INTERVAL OF PLOT 1974/155/14.00H TO 1974/157/17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/157/ 17.17H	LAT= 64.2	11- 1976/159/ 20.83H	LAT= 74.5
2- 1976/157/ 21.50H	LAT= 72.6	12- 1976/159/ 0.83H	LAT= 69.1
3- 1976/158/ 3.83H	LAT= 79.6	13- 1976/159/ 5.17H	LAT= 60.1
4- 1976/158/ 7.33H	LAT= 81.5	14- 1976/159/ 8.25H	LAT= 48.4
5- 1976/158/ 8.83H	LAT= 81.8	15- 1976/159/ 10.67H	LAT= 25.9
6- 1976/158/ 10.33H	LAT= 81.8	16- 1976/159/ 12.43H	LAT= -69.8
7- 1976/158/ 11.33H	LAT= 81.6	17- 1976/159/ 12.67H	LAT= -70.5
8- 1976/158/ 13.33H	LAT= 80.9	18- 1976/159/ 13.63H	LAT= 8.4
9- 1976/158/ 15.83H	LAT= 80.0	19- 1976/159/ 15.42H	LAT= 41.0
10- 1976/158/ 17.33H	LAT= 78.1	20- 1976/159/ 17.75H	LAT= 55.6

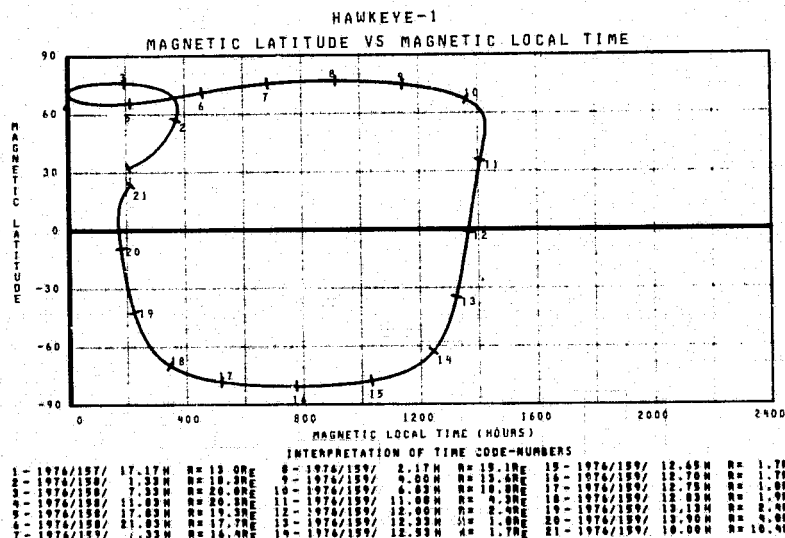
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/157/17.00H TO 1976/159/18.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/157/ 17.17H	R= 13.0RE	11- 1976/159/ 19.33H	R= 10.8RE
2- 1976/157/ 21.50H	R= 14.8RE	12- 1976/159/ 0.17H	R= 14.5RE
3- 1976/158/ 0.33H	R= 17.9RE	13- 1976/159/ 2.17H	R= 18.1RE
4- 1976/158/ 3.33H	R= 19.1RE	14- 1976/159/ 3.83H	R= 13.8RE
5- 1976/158/ 4.83H	R= 19.5RE	15- 1976/159/ 5.83H	R= 11.9RE
6- 1976/158/ 6.33H	R= 19.8RE	16- 1976/159/ 11.00H	R= 4.5RE
7- 1976/158/ 8.33H	R= 20.1RE	17- 1976/159/ 12.52H	R= 1.7RE
8- 1976/158/ 11.33H	R= 20.3RE	18- 1976/159/ 13.60H	R= 3.6RE
9- 1976/158/ 15.33H	R= 19.8RE	19- 1976/159/ 16.00H	R= 7.7RE
10- 1976/158/ 17.33H	R= 19.4RE	20- 1976/159/ 18.00H	R= 10.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/157/17.00H TO 1976/159/18.00H



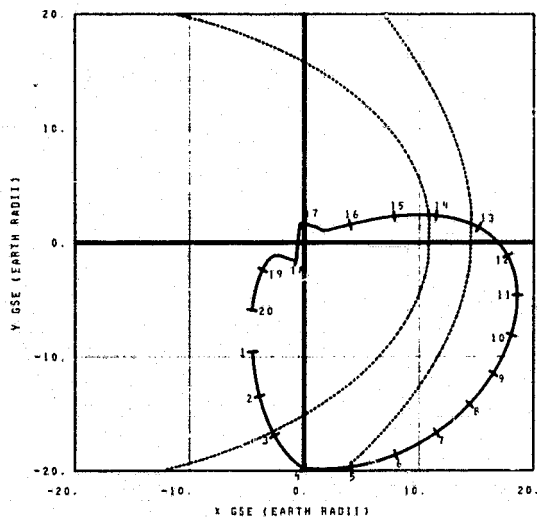
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/157/ 17.17H	R= 13.0RE	8- 1976/159/ 2.17H	R= 19.1RE	15- 1976/159/ 12.65H	R= 1.7RE
2- 1976/158/ 1.33H	R= 18.9RE	9- 1976/159/ 4.00H	R= 18.6RE	16- 1976/159/ 12.75H	R= 1.0RE
3- 1976/158/ 3.33H	R= 19.1RE	10- 1976/159/ 6.83H	R= 18.6RE	17- 1976/159/ 12.75H	R= 1.0RE
4- 1976/158/ 5.33H	R= 20.8RE	11- 1976/159/ 11.00H	R= 4.3RE	18- 1976/159/ 12.83H	R= 1.0RE
5- 1976/158/ 7.33H	R= 19.3RE	12- 1976/159/ 12.33H	R= 2.0RE	19- 1976/159/ 13.13H	R= 4.0RE
6- 1976/158/ 9.33H	R= 16.4RE	13- 1976/159/ 12.33H	R= 1.7RE	20- 1976/159/ 14.00H	R= 10.4RE
7- 1976/159/ 1.33H	R= 16.4RE	14- 1976/159/ 12.33H	R= 1.7RE	21- 1976/159/ 14.00H	R= 10.4RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/157/17.00H TO 1976/159/18.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/159/ 10.00H LAT= 56.9	11- 1976/160/ 21.50H LAT= 77.2
2- 1976/159/ 21.50H LAT= 66.8	12- 1976/161/ 1.00H LAT= 73.4
3- 1976/160/ 2.00H LAT= 74.3	13- 1976/161/ 5.17H LAT= 67.2
4- 1976/160/ 9.00H LAT= 80.8	14- 1976/161/ 9.17H LAT= 57.8
5- 1976/160/ 11.00H LAT= 81.4	15- 1976/161/ 12.00H LAT= 44.7
6- 1976/160/ 12.50H LAT= 81.9	16- 1976/161/ 14.33H LAT= 16.4
7- 1976/160/ 14.00H LAT= 81.8	17- 1976/161/ 15.75H LAT= -81.4
8- 1976/160/ 15.50H LAT= 81.4	18- 1976/161/ 15.92H LAT= -65.7
9- 1976/160/ 17.00H LAT= 80.7	19- 1976/161/ 17.25H LAT= 20.3
10- 1976/160/ 19.00H LAT= 79.4	20- 1976/161/ 19.00H LAT= 44.1

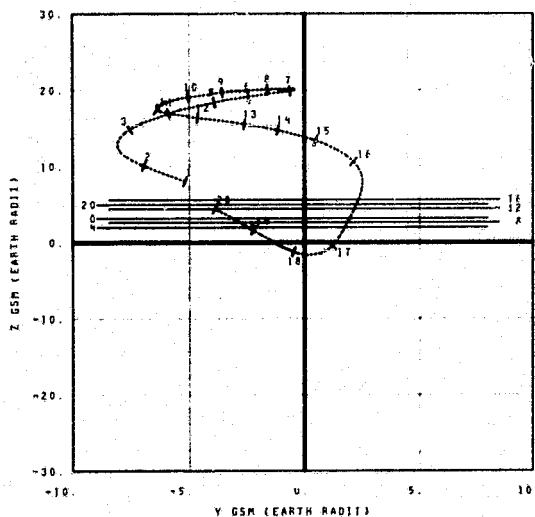
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/159/10.00H TO 1976/161/19.00H

HAWKEYE-1

PROJECTED ONTO THE GS⁴ Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/159/ 10.00H R= 10.5RE	11- 1976/160/ 22.00H R= 19.0RE
2- 1976/159/ 20.33H R= 12.4RE	12- 1976/161/ 1.00H R= 17.0RE
3- 1976/160/ 1.67H R= 16.4RE	13- 1976/161/ 3.00H R= 16.7RE
4- 1976/160/ 4.00H R= 18.1RE	14- 1976/161/ 4.33H R= 15.9RE
5- 1976/160/ 4.00H R= 18.4RE	15- 1976/161/ 4.00H R= 14.6RE
6- 1976/160/ 7.50H R= 19.3RE	16- 1976/161/ 8.50H R= 12.4RE
7- 1976/160/ 10.00H R= 19.4RE	17- 1976/161/ 15.00H R= 2.8RE
8- 1976/160/ 14.50H R= 20.3RE	18- 1976/161/ 16.17H R= 2.1RE
9- 1976/160/ 16.50H R= 20.2RE	19- 1976/161/ 17.42H R= 9.6RE
10- 1976/160/ 19.00H R= 20.0RE	20- 1976/161/ 19.00H R= 7.4RE

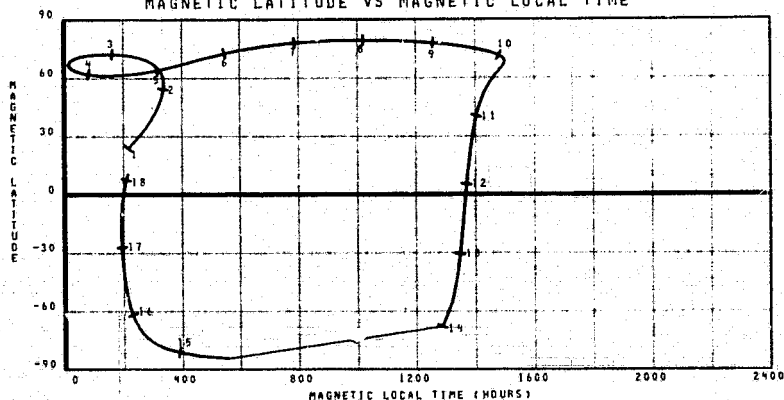
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/159/10.00H TO 1976/161/19.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

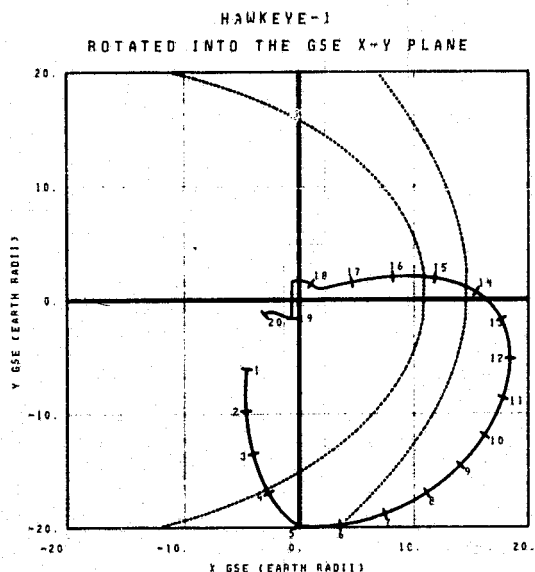


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/159/ 10.00H R= 10.5RE	8- 1976/161/ 4.17H R= 16.0RE	15- 1976/161/ 16.00H R= 1.5RE
2- 1976/159/ 20.33H R= 12.4RE	9- 1976/161/ 6.00H R= 14.4RE	16- 1976/161/ 16.25H R= 2.5RE
3- 1976/160/ 1.67H R= 16.4RE	10- 1976/161/ 9.50H R= 11.4RE	17- 1976/161/ 16.75H R= 3.7RE
4- 1976/160/ 15.00H R= 10.3RE	11- 1976/161/ 14.50H R= 3.9RE	18- 1976/161/ 19.67H R= 6.5RE
5- 1976/160/ 20.00H R= 10.2RE	12- 1976/161/ 15.25H R= 2.5RE	
6- 1976/160/ 20.00H R= 10.2RE	13- 1976/161/ 15.00H R= 1.8RE	
7- 1976/161/ 2.50H R= 17.0RE	14- 1976/161/ 15.00H R= 1.7RE	

TIME AS YEAR/DAY/HOUR

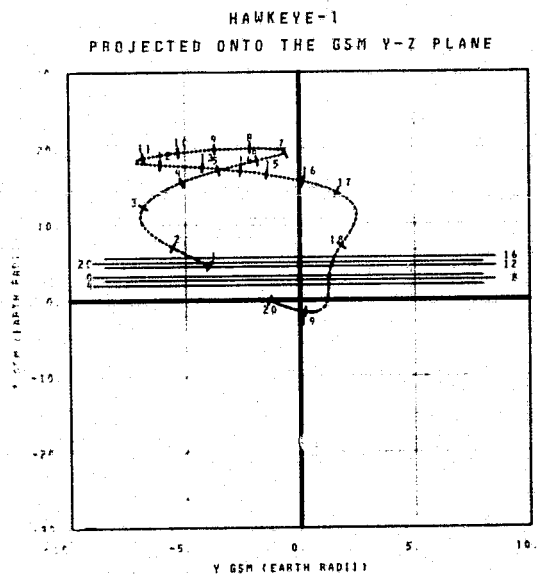
TIME INTERVAL OF PLOT 1976/159/10.00H TO 1976/161/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/161/ 19.08H	LAT= 44.8	15- 1976/162/ 22.33H	LAT= 79.3
2- 1976/161/ 21.50H	LAT= 57.4	12- 1976/163/ 0.83H	LAT= 77.2
3- 1976/162/ 0.83H	LAT= 67.0	13- 1976/163H	LAT= 73.3
4- 1976/162/ 5.33H	LAT= 74.4	14- 1976/163/ 9.17H	LAT= 67.4
5- 1976/162/ 12.33H	LAT= 80.9	15- 1976/163/ 12.17H	LAT= 58.5
6- 1976/162/ 14.33H	LAT= 81.7	16- 1976/163/ 15.00H	LAT= 46.0
7- 1976/162/ 15.83H	LAT= 81.9	17- 1976/163/ 17.25H	LAT= 23.0
8- 1976/162/ 17.33H	LAT= 81.8	18- 1976/163/ 18.98H	LAT= -75.1
9- 1976/162/ 18.83H	LAT= 81.4	19- 1976/163/ 19.12H	LAT= -67.5
10- 1976/162/ 20.33H	LAT= 80.6	20- 1976/163/ 19.95H	LAT= 3.7

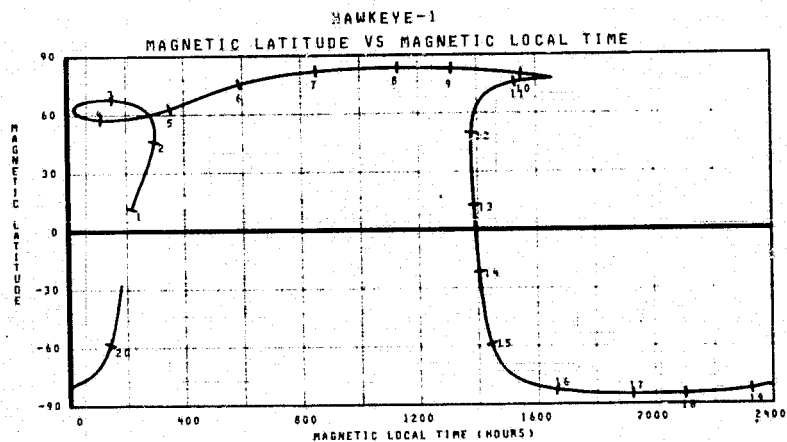
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/161/19.08H TO 1976/163/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/161/ 19.08H	R= 7.5RE	11- 1976/162/ 19.83H	R= 20.1RE
2- 1976/161/ 20.92H	R= 10.1RE	12- 1976/163/ 0.33H	R= 19.3RE
3- 1976/162/ 1.50H	R= 14.6RE	13- 1976/163/ 2.33H	R= 18.6RE
4- 1976/162/ 4.50H	R= 14.7RE	14- 1976/163/ 3.83H	R= 17.9RE
5- 1976/162/ 4.33H	R= 17.7RE	15- 1976/163/ 4.33H	R= 17.5RE
6- 1976/162/ 8.33H	R= 10.5RE	16- 1976/163/ 6.33H	R= 16.6RE
7- 1976/162/ 10.83H	R= 19.4RE	17- 1976/163/ 8.17H	R= 15.4RE
8- 1976/162/ 14.83H	R= 20.1RE	18- 1976/163/ 14.33H	R= 9.5RE
9- 1976/162/ 14.33H	R= 20.25RE	19- 1976/163/ 19.17H	R= 1.0RE
10- 1976/162/ 17.83H	R= 20.3RE	20- 1976/163/ 19.98H	R= 3.3RE

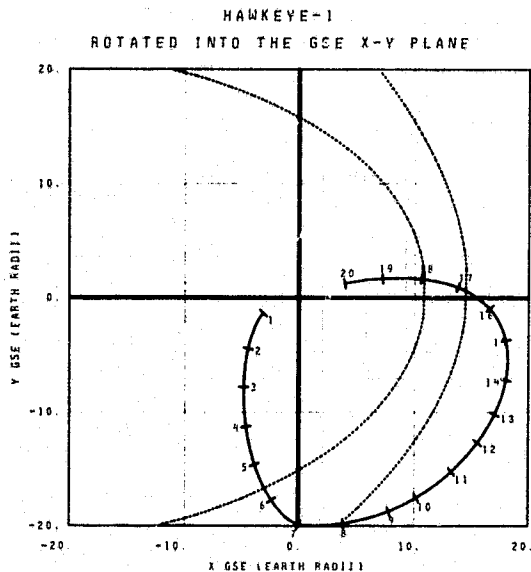
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/161/19.08H TO 1976/163/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/161/ 19.08H	R= 7.5RE	8- 1976/163/ 5.83H	R= 16.9RE	15- 1976/163/ 19.00H	R= 1.7RE
2- 1976/162/ 1.00H	R= 14.2RE	9- 1976/163/ 6.83H	R= 16.3RE	16- 1976/163/ 19.17H	R= 1.0RE
3- 1976/162/ 1.00H	R= 14.2RE	10- 1976/163/ 9.00H	R= 14.8RE	17- 1976/163/ 19.20H	R= 1.0RE
4- 1976/162/ 15.83H	R= 20.2RE	11- 1976/163/ 19.00H	R= 8.9RE	18- 1976/163/ 19.22H	R= 1.0RE
5- 1976/162/ 21.33H	R= 19.9RE	12- 1976/163/ 17.50H	R= 4.2RE	19- 1976/163/ 19.25H	R= 1.0RE
6- 1976/163/ 1.53H	R= 17.7RE	13- 1976/163/ 18.72H	R= 2.4RE	20- 1976/163/ 19.40H	R= 2.3RE
7- 1976/163/ 1.53H	R= 17.7RE	14- 1976/163/ 18.79H	R= 1.9RE		

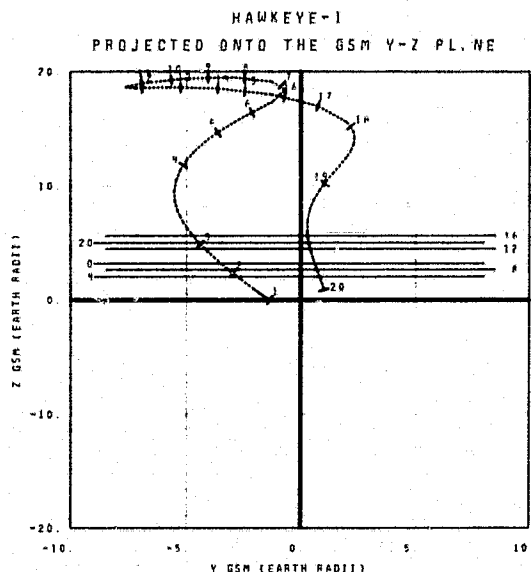
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/161/19.08H TO 1976/163/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/143/ 20.00H LAT= 5.7	11- 1974/144/ 22.00H LAT= 81.4
2- 1974/143/ 21.50H LAT= 37.1	12- 1974/144/ 23.50H LAT= 80.7
3- 1974/143/ 23.42H LAT= 51.8	13- 1974/145/ 1.00H LAT= 79.8
4- 1974/144/ 2.00H LAT= 61.8	14- 1974/145/ 3.00H LAT= 78.2
5- 1974/144/ 5.33H LAT= 69.4	15- 1974/145/ 6.00H LAT= 75.2
6- 1974/144/ 10.00H LAT= 76.1	16- 1974/145/ 9.50H LAT= 70.7
7- 1974/144/ 14.50H LAT= 81.3	17- 1974/145/ 13.33H LAT= 63.8
8- 1974/144/ 18.00H LAT= 81.8	18- 1974/145/ 16.50H LAT= 54.7
9- 1974/144/ 19.50H LAT= 81.9	19- 1974/145/ 19.00H LAT= 41.0
10- 1974/144/ 20.50H LAT= 81.8	20- 1974/145/ 20.83H LAT= 14.4

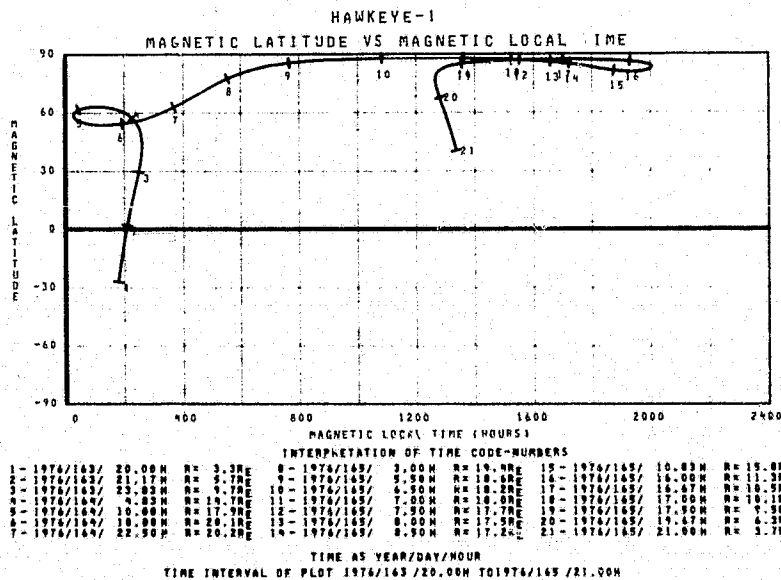
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/143/20.00H TO 1974/145/21.00H

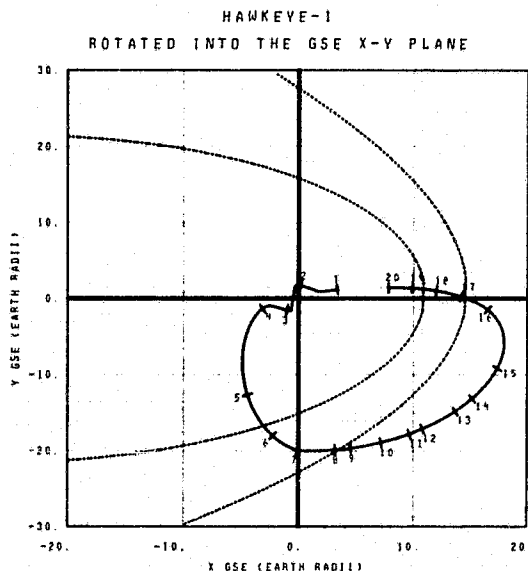


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/143/ 20.00H R= 3.3RE	11- 1974/144/ 19.50H R= 20.2RE
2- 1974/143/ 21.17H R= 5.7RE	12- 1974/144/ 24.00H R= 20.0RE
3- 1974/143/ 22.67H R= 8.1RE	13- 1974/145/ 2.00H R= 19.7RE
4- 1974/144/ 3.50H R= 13.4RE	14- 1974/145/ 3.50H R= 19.3RE
5- 1974/144/ 6.00H R= 15.4RE	15- 1974/145/ 9.50H R= 19.0RE
6- 1974/144/ 8.00H R= 16.8RE	16- 1974/145/ 6.00H R= 18.4RE
7- 1974/144/ 12.50H R= 18.9RE	17- 1974/145/ 7.50H R= 17.7RE
8- 1974/144/ 15.00H R= 19.4RE	18- 1974/145/ 10.00H R= 16.3RE
9- 1974/144/ 16.50H R= 19.9RE	19- 1974/145/ 15.33H R= 12.0RE
10- 1974/144/ 18.00H R= 20.1RE	20- 1974/145/ 21.00H R= 3.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/143/20.00H TO 1974/145/21.00H

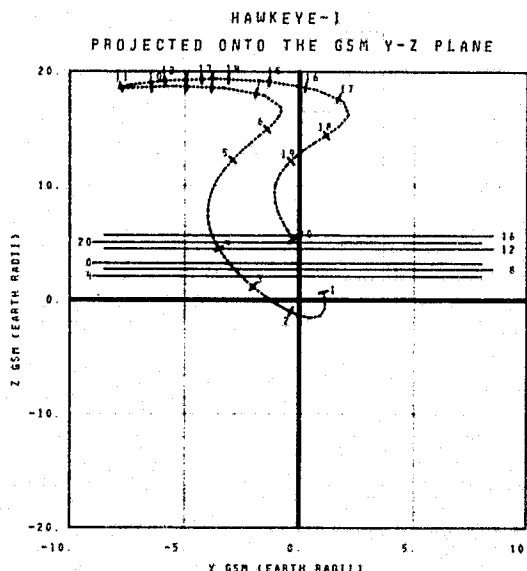




X GSE (EARTH RADII)
INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/145/ 21.08H	LAT= 4.9	11- 1974/146/ 23.03H	LAT= 81.8
2- 1974/145/ 22.17H	LAT= -81.1	12- 1974/147/ 0.33H	LAT= 81.7
3- 1974/145/ 22.42H	LAT= -55.4	13- 1974/147/ 1.83H	LAT= 81.2
4- 1974/145/ 23.25H	LAT= 7.1	14- 1974/147/ 2.83H	LAT= 80.7
5- 1974/146/ 4.50H	LAT= 65.1	15- 1974/147/ 5.33H	LAT= 79.0
6- 1974/145/ 13.83H	LAT= 74.8	16- 1974/147/ 12.83H	LAT= 70.6
7- 1974/146/ 19.83H	LAT= 81.3	17- 1974/147/ 14.17H	LAT= 64.7
8- 1974/146/ 21.33H	LAT= 81.8	18- 1974/147/ 16.50H	LAT= 58.9
9- 1974/146/ 21.83H	LAT= 81.9	19- 1974/147/ 20.33H	LAT= 52.3
10- 1974/146/ 22.83H	LAT= 81.9	20- 1974/147/ 21.83H	LAT= 44.0

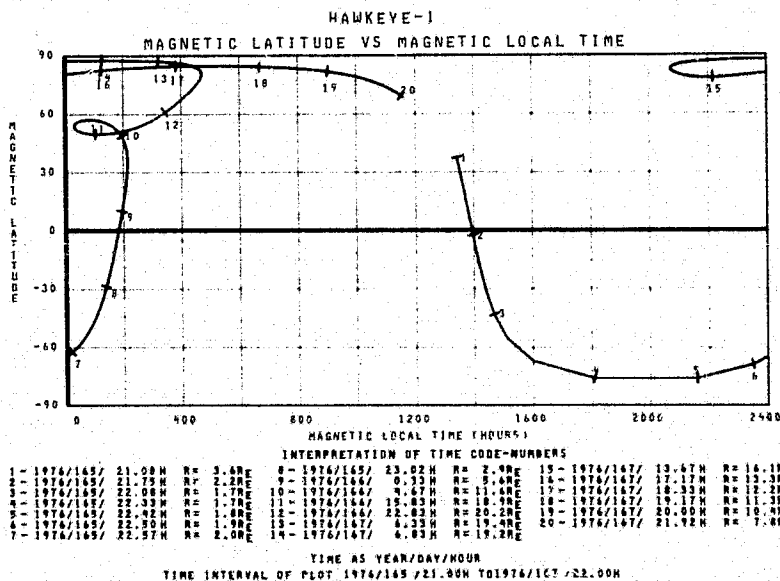
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/145/21.00H TO 1974/147/22.00H



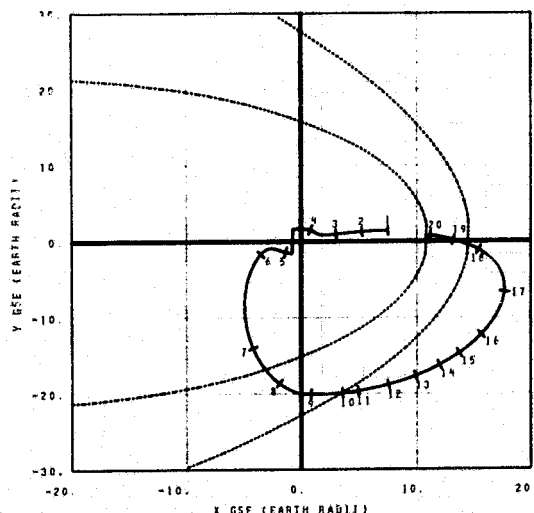
Y GSM (EARTH RADII)
INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/145/ 21.08H	R= 3.48E	11- 1974/146/ 23.03H	R= 20.28E
2- 1974/145/ 22.17H	R= 2.38E	12- 1974/147/ 0.33H	R= 20.28E
3- 1974/145/ 22.42H	R= 4.58E	13- 1974/147/ 1.83H	R= 20.08E
4- 1974/146/ 4.50H	R= 7.48E	14- 1974/147/ 2.83H	R= 19.88E
5- 1974/146/ 4.50H	R= 13.48E	15- 1974/147/ 5.33H	R= 19.58E
6- 1974/146/ 9.17H	R= 15.58E	16- 1974/147/ 7.33H	R= 19.18E
7- 1974/146/ 14.33H	R= 18.48E	17- 1974/147/ 9.33H	R= 18.38E
8- 1974/146/ 16.33H	R= 19.18E	18- 1974/147/ 14.33H	R= 15.68E
9- 1974/146/ 17.33H	R= 19.48E	19- 1974/147/ 16.83H	R= 13.68E
10- 1974/146/ 18.83H	R= 19.88E	20- 1974/147/ 22.00H	R= 7.78E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/145/21.00H TO 1974/147/22.00H



HAWKEYE-1
ROTATED INTO THE GSM X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

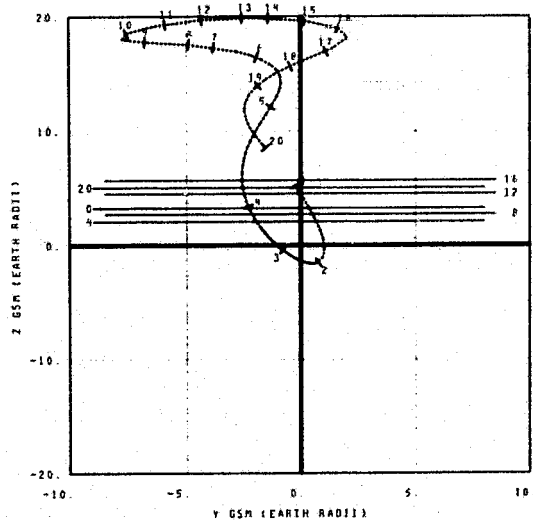
1 - 1976/167/ 22.00H	LAT= 42.1	11 - 1976/169/ 1.50H	LAT= 81.9
2 - 1976/167/ 23.42H	LAT= 27.5	12 - 1976/169/ 2.50H	LAT= 81.9
3 - 1976/168/ 0.50H	LAT= -1.3	13 - 1976/169/ 3.50H	LAT= 81.7
4 - 1976/168/ 1.25H	LAT= -78.6	14 - 1976/169/ 4.50H	LAT= 81.9
5 - 1976/168/ 1.72H	LAT= -89.3	15 - 1976/169/ 5.50H	LAT= 81.0
6 - 1976/168/ 2.70H	LAT= 15.0	16 - 1976/169/ 7.00H	LAT= 80.2
7 - 1976/168/ 11.17H	LAT= 68.1	17 - 1976/169/ 11.00H	LAT= 76.9
8 - 1976/168/ 18.50H	LAT= 78.2	18 - 1976/169/ 17.67H	LAT= 68.1
9 - 1976/168/ 24.00H	LAT= 81.6	19 - 1976/169/ 20.50H	LAT= 62.3
10 - 1976/169/ 1.00H	LAT= 81.9	20 - 1976/169/ 22.50H	LAT= 56.9

TIME AS YEAR/DAY/HOUR

LAT IS GSM LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/167/22.00H TO 1976/169/23.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

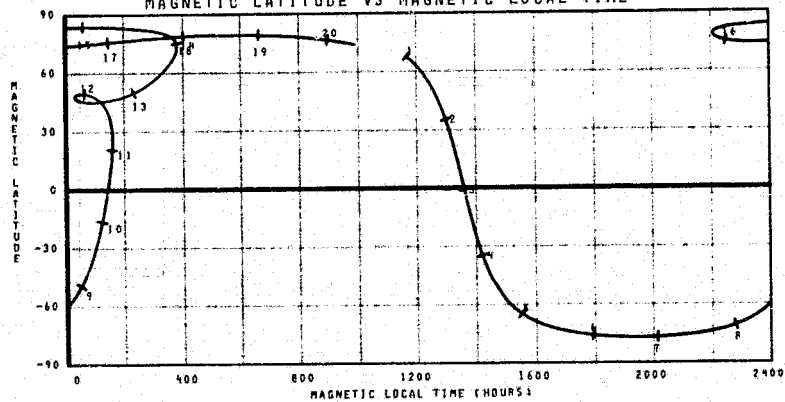
1 - 1976/167/ 22.00H	R= 7.6RE	11 - 1976/169/ 2.00H	R= 20.2RE
2 - 1976/168/ 1.25H	R= 1.8RE	12 - 1976/169/ 3.50H	R= 20.3RE
3 - 1976/168/ 2.18H	R= 2.8RE	13 - 1976/169/ 5.00H	R= 20.2RE
4 - 1976/168/ 3.83H	R= 6.1RE	14 - 1976/169/ 6.00H	R= 20.1RE
5 - 1976/168/ 9.33H	R= 13.1RE	15 - 1976/169/ 7.50H	R= 19.8RE
6 - 1976/168/ 14.50H	R= 16.9RE	16 - 1976/169/ 9.50H	R= 19.4RE
7 - 1976/168/ 16.50H	R= 17.9RE	17 - 1976/169/ 14.00H	R= 17.7RE
8 - 1976/168/ 17.50H	R= 18.3RE	18 - 1976/169/ 16.00H	R= 16.4RE
9 - 1976/168/ 19.50H	R= 19.1RE	19 - 1976/169/ 18.00H	R= 15.3RE
10 - 1976/168/ 23.50H	R= 20.0RE	20 - 1976/169/ 23.00H	R= 10.4RE

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/167/22.00H TO 1976/169/23.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

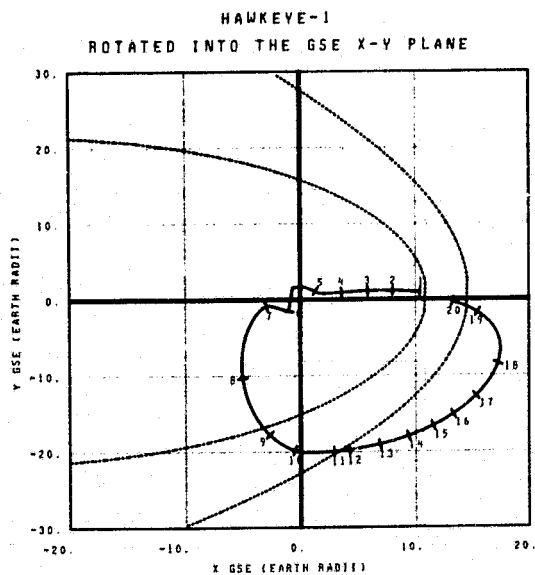


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/167/ 22.00H	R= 7.6RE	8 - 1976/168/ 1.62H	R= 1.8RE	15 - 1976/169/ 7.00H	R= 19.9RE
2 - 1976/168/ 0.50H	R= 4.0RE	9 - 1976/168/ 1.82H	R= 2.1RE	16 - 1976/169/ 12.50H	R= 18.9RE
3 - 1976/168/ 0.83H	R= 2.4RE	10 - 1976/168/ 3.58H	R= 3.1RE	17 - 1976/169/ 17.50H	R= 18.7RE
4 - 1976/168/ 1.17H	R= 1.4RE	11 - 1976/168/ 5.67H	R= 9.6RE	18 - 1976/169/ 19.50H	R= 14.1RE
5 - 1976/168/ 1.30H	R= 1.7RE	12 - 1976/168/ 9.00H	R= 12.7RE	19 - 1976/169/ 21.00H	R= 12.0RE
6 - 1976/168/ 1.48H	R= 1.7RE	13 - 1976/168/ 20.00H	R= 19.2RE	20 - 1976/169/ 22.50H	R= 11.4RE
7 - 1976/168/ 1.53H	R= 1.7RE	14 - 1976/169/ 3.50H	R= 20.3RE		

TIME AS YEAR/DAY/HOUR

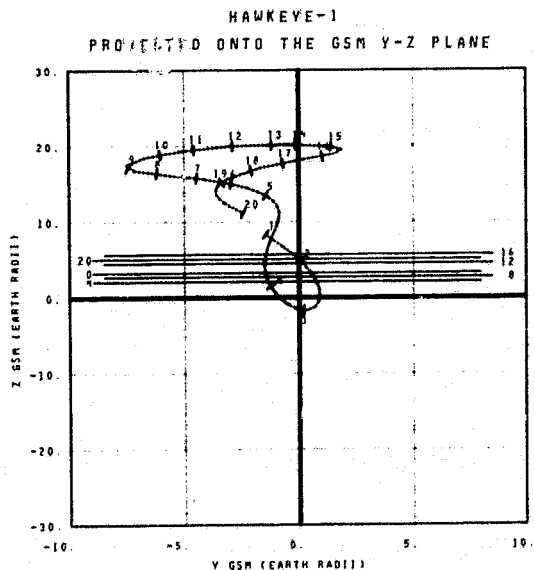
TIME INTERVAL OF PLOT 1976/167/22.00H TO 1976/169/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/169/ 23.17M	LAT= 53.9	11- 1976/171/ 4.33H	LAT= 81.9
2- 1976/170/ 0.92M	LAT= 44.9	12- 1976/171/ 4.83H	LAT= 81.9
3- 1976/170/ 2.25M	LAT= 32.9	13- 1976/171/ 5.83H	LAT= 81.9
4- 1976/170/ 3.42M	LAT= 10.0	14- 1976/171/ 6.83H	LAT= 81.7
5- 1976/170/ 4.50M	LAT= -70.9	15- 1976/171/ 7.83H	LAT= 81.4
6- 1976/170/ 4.83M	LAT= -56.0	16- 1976/171/ 8.83H	LAT= 81.0
7- 1976/170/ 5.52M	LAT= 0.5	17- 1976/171/ 10.33H	LAT= 80.1
8- 1976/170/ 11.00M	LAT= 59.8	18- 1976/171/ 13.33H	LAT= 77.7
9- 1976/170/ 19.83M	LAT= 76.2	19- 1976/171/ 20.83H	LAT= 68.2
10- 1976/171/ 1.83H	LAT= 81.1	20- 1976/171/ 23.67H	LAT= 42.4

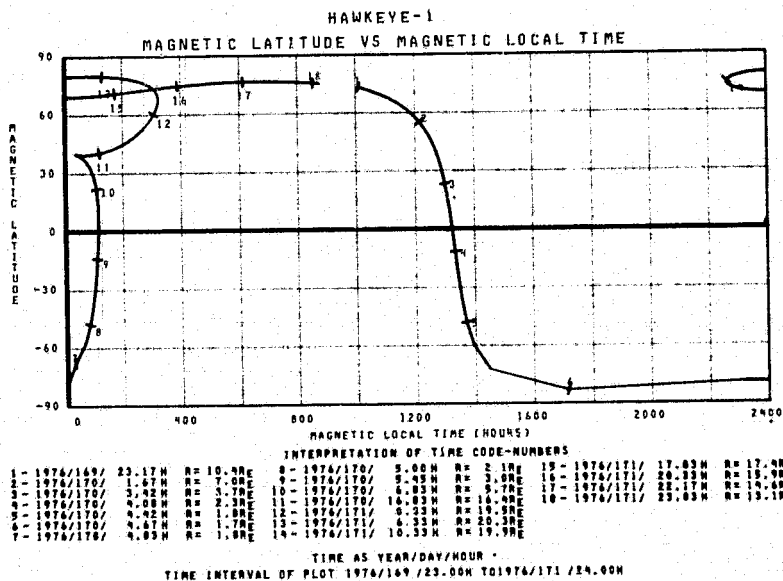
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/169/23.00H TO 1976/171/24.00H



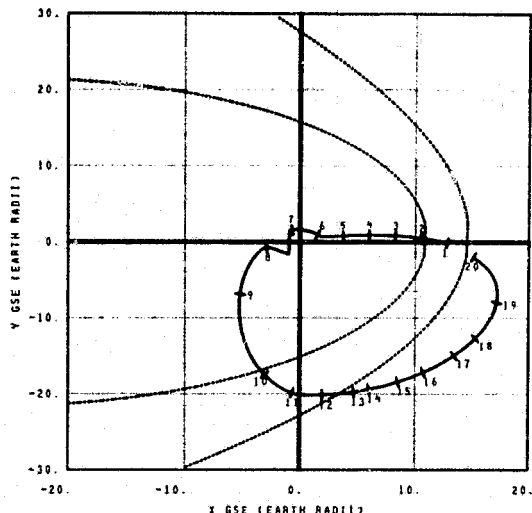
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/169/ 23.17M	R= 10.4RE	11- 1976/171/ 3.33H	R= 20.1RE
2- 1976/170/ 1.50M	R= 7.2RE	12- 1976/171/ 4.83H	R= 20.2RE
3- 1976/170/ 4.67M	R= 1.7RE	13- 1976/171/ 6.33H	R= 20.2RE
4- 1976/170/ 6.00M	R= 4.3RE	14- 1976/171/ 7.33H	R= 20.2RE
5- 1976/170/ 14.00M	R= 14.3RE	15- 1976/171/ 9.33H	R= 20.1RE
6- 1976/170/ 16.00M	R= 15.8RE	16- 1976/171/ 13.83H	R= 19.1RE
7- 1976/170/ 17.50M	R= 16.8RE	17- 1976/171/ 15.83H	R= 18.3RE
8- 1976/170/ 19.33M	R= 17.7RE	18- 1976/171/ 17.33H	R= 17.6RE
9- 1976/170/ 21.83M	R= 18.8RE	19- 1976/171/ 19.33H	R= 16.5RE
10- 1976/171/ 1.83H	R= 19.9RE	20- 1976/171/ 24.00H	R= 15.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/169/23.00H TO 1976/171/24.00H



HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

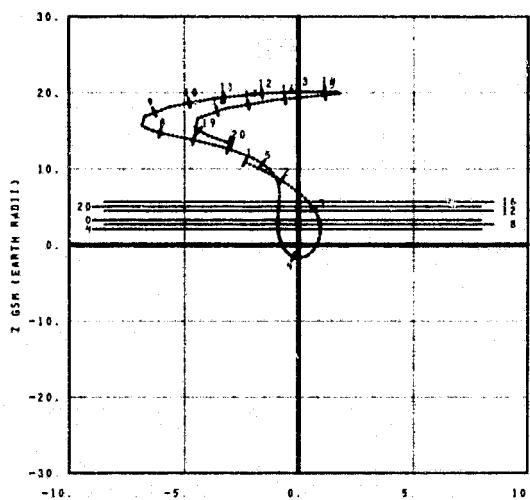
1- 1976/172/ 0.17H	LAT= 61.2	11- 1976/173/ 5.00H	LAT= 81.0
2- 1976/172/ 2.33H	LAT= 54.2	12- 1976/173/ 7.50H	LAT= 81.0
3- 1976/172/ 4.00H	LAT= 45.8	13- 1976/173/ 8.50H	LAT= 81.9
4- 1976/172/ 5.42H	LAT= 33.5	14- 1976/173/ 9.00H	LAT= 81.9
5- 1976/172/ 4.58H	LAT= 11.4	15- 1976/173/ 10.00H	LAT= 81.7
6- 1976/172/ 7.47H	LAT= -64.8	16- 1976/173/ 11.00H	LAT= 81.9
7- 1976/172/ 7.97H	LAT= -66.6	17- 1976/173/ 12.50H	LAT= 80.0
8- 1976/172/ 8.68H	LAT= -1.7	18- 1976/173/ 14.00H	LAT= 79.0
9- 1976/172/ 11.83H	LAT= 49.0	19- 1976/173/ 17.50H	LAT= 76.9
10- 1976/172/ 22.90H	LAT= 75.9	20- 1976/174/ 8.50H	LAT= 67.5

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/171/24.00H TO 1976/174/ 1.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

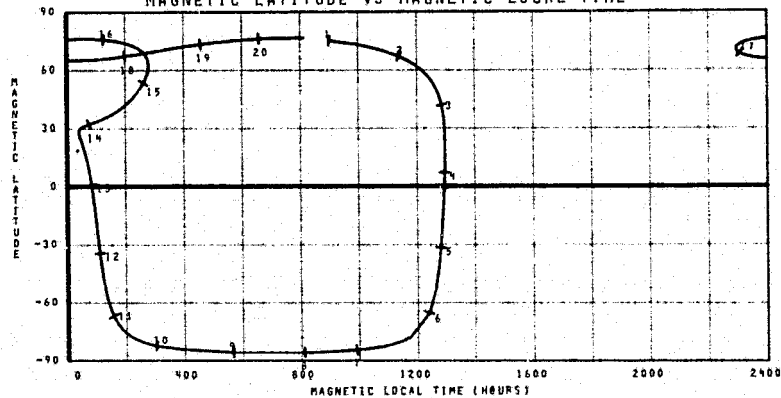
1- 1976/172/ 0.17H	R= 12.8Re	11- 1976/173/ 4.50H	R= 19.0Re
2- 1976/172/ 2.33H	R= 10.3Re	12- 1976/173/ 4.00H	R= 20.0Re
3- 1976/172/ 4.00H	R= 7.3Re	13- 1976/173/ 7.50H	R= 20.2Re
4- 1976/172/ 5.42H	R= 1.8Re	14- 1976/173/ 9.00H	R= 20.3Re
5- 1976/172/ 7.47H	R= 12.0Re	15- 1976/173/ 13.53H	R= 19.9Re
6- 1976/172/ 7.97H	R= 13.9Re	16- 1976/173/ 15.50H	R= 19.5Re
7- 1976/172/ 8.68H	R= 15.2Re	17- 1976/173/ 17.50H	R= 19.1Re
8- 1976/172/ 10.33H	R= 16.5Re	18- 1976/173/ 18.50H	R= 18.5Re
9- 1976/173/ 1.00H	R= 18.0Re	19- 1976/173/ 22.90H	R= 16.6Re
10- 1976/173/ 3.00H	R= 19.4Re	20- 1976/174/ 1.00H	R= 14.0Re

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/171/24.00H TO 1976/174/ 1.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

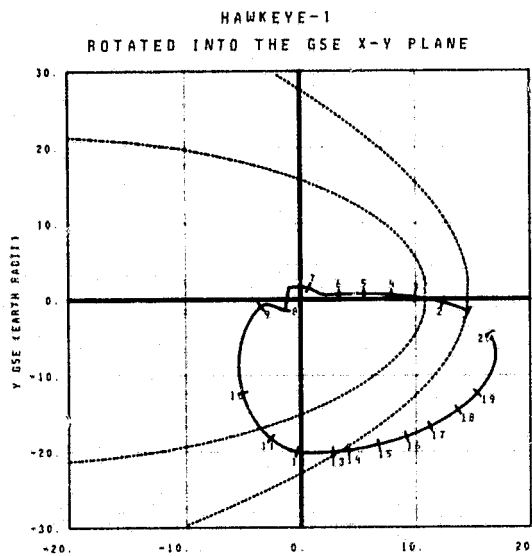


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/172/ 0.17H	R= 12.8Re	8- 1976/172/ 7.50H	R= 1.7Re	15- 1976/172/ 23.90H	R= 18.2Re
2- 1976/172/ 2.33H	R= 10.3Re	9- 1976/172/ 7.92H	R= 1.7Re	16- 1976/173/ 4.00H	R= 20.0Re
3- 1976/172/ 4.00H	R= 5.6Re	10- 1976/172/ 7.05H	R= 1.7Re	17- 1976/173/ 12.00H	R= 20.1Re
4- 1976/172/ 5.42H	R= 3.0Re	11- 1976/172/ 8.07H	R= 1.8Re	18- 1976/173/ 18.50H	R= 18.5Re
5- 1976/172/ 7.47H	R= 2.0Re	12- 1976/172/ 8.38H	R= 2.4Re	19- 1976/173/ 22.00H	R= 16.8Re
6- 1976/172/ 7.97H	R= 1.7Re	13- 1976/172/ 9.17H	R= 4.0Re	20- 1976/173/ 23.93H	R= 15.7Re
7- 1976/172/ 8.68H	R= 1.7Re	14- 1976/172/ 19.90H	R= 12.8Re		

TIME AS YEAR/DAY/HOUR

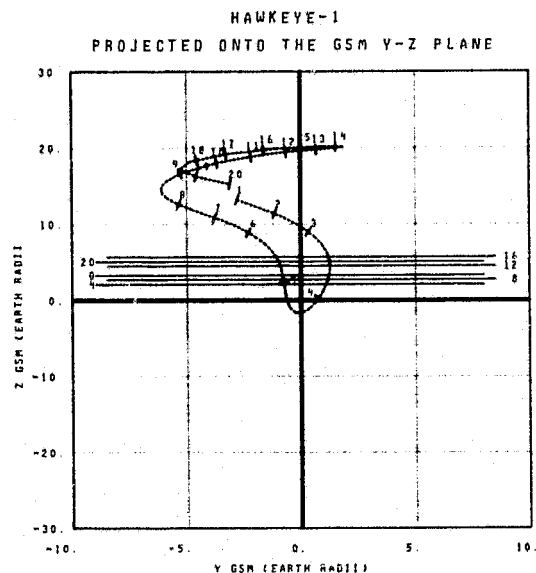
TIME INTERVAL OF PLOT 1976/171/24.00H TO 1976/174/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/174/ 1.17H	LAT= 66.2	11- 1976/175/ 3.33H	LAT= 77.2
2- 1976/174/ 3.83H	LAT= 60.0	12- 1976/175/ 5.33H	LAT= 81.5
3- 1976/174/ 6.00H	LAT= 52.3	13- 1976/175/ 11.33H	LAT= 81.9
4- 1976/174/ 7.50H	LAT= 45.7	14- 1976/175/ 12.83H	LAT= 81.9
5- 1976/174/ 8.92H	LAT= 29.7	15- 1976/175/ 12.83H	LAT= 81.8
6- 1976/174/ 10.00H	LAT= 4.5	16- 1976/175/ 13.83H	LAT= 81.6
7- 1976/174/ 11.00H	LAT= -80.2	17- 1976/175/ 14.83H	LAT= 81.2
8- 1976/174/ 11.33H	LAT= -46.4	18- 1976/175/ 16.33H	LAT= 80.5
9- 1976/174/ 12.13H	LAT= 8.3	19- 1976/175/ 17.83H	LAT= 79.9
10- 1976/174/ 19.17H	LAT= 69.3	20- 1976/174/ 0.83H	LAT= 72.1

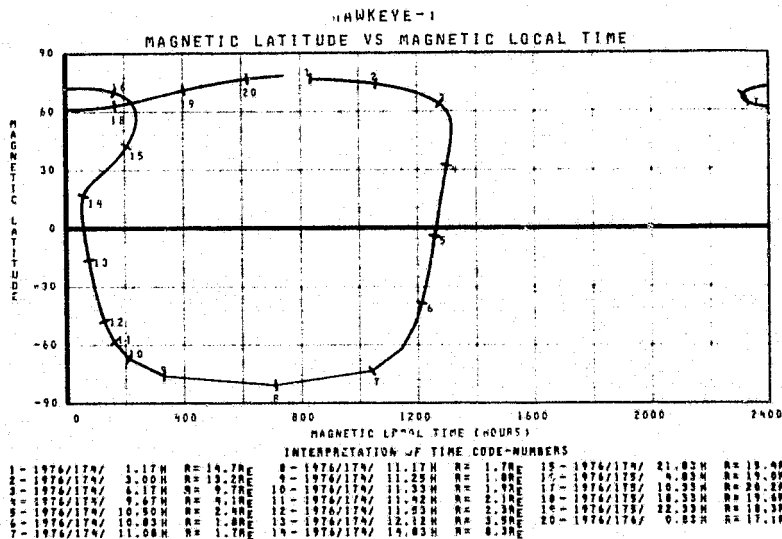
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/174/ 1.00H TO 1976/176/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

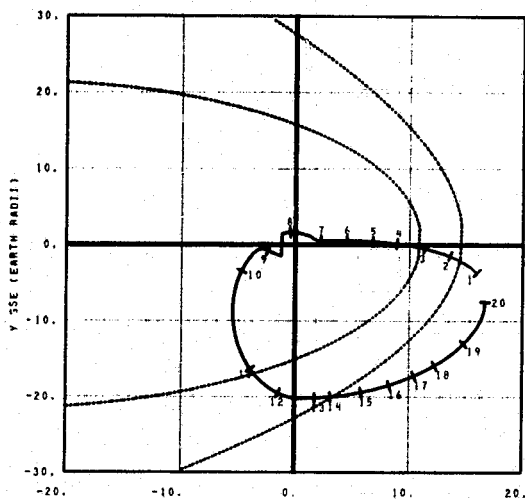
1- 1976/174/ 1.17H	R= 14.7Re	11- 1976/175/ 5.33H	R= 19.1Re
2- 1976/174/ 3.17H	R= 13.0Re	12- 1976/175/ 6.83H	R= 19.6Re
3- 1976/174/ 5.17H	R= 10.9Re	13- 1976/175/ 8.33H	R= 19.9Re
4- 1976/174/ 9.92H	R= 3.6Re	14- 1976/175/ 12.83H	R= 20.3Re
5- 1976/174/ 12.83H	R= 5.9Re	15- 1976/175/ 14.83H	R= 20.2Re
6- 1976/174/ 16.67H	R= 10.6Re	16- 1976/175/ 16.33H	R= 20.0Re
7- 1976/174/ 18.50H	R= 12.6Re	17- 1976/175/ 17.83H	R= 19.7Re
8- 1976/174/ 20.67H	R= 14.5Re	18- 1976/175/ 19.33H	R= 19.3Re
9- 1976/175/ 1.83H	R= 17.8Re	19- 1976/175/ 23.83H	R= 17.6Re
10- 1976/175/ 3.83H	R= 18.4Re	20- 1976/174/ 1.83H	R= 16.5Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/174/ 1.00H TO 1976/174/ 2.00H



TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/174/ 1.00H TO 1976/176/ 2.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

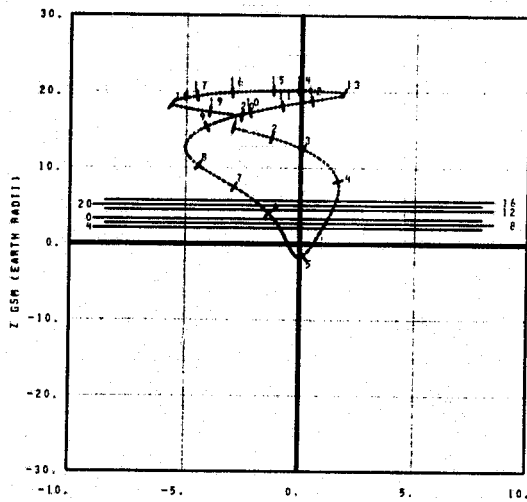


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/176/ 2.00H	LAT= 70.9	11- 1976/177/ 3.17H	LAT= 73.1
2- 1976/176/ 3.67H	LAT= 63.4	12- 1976/177/ 10.00H	LAT= 80.1
3- 1976/176/ 5.00H	LAT= 57.1	13- 1976/177/ 14.50H	LAT= 81.9
4- 1976/176/ 10.00H	LAT= 48.5	14- 1976/177/ 15.00H	LAT= 81.9
5- 1976/176/ 11.42H	LAT= 38.2	15- 1976/177/ 16.00H	LAT= 81.9
6- 1976/176/ 12.67H	LAT= 20.2	16- 1976/177/ 17.00H	LAT= 81.6
7- 1976/176/ 13.75H	LAT= -26.7	17- 1976/177/ 18.00H	LAT= 81.3
8- 1976/176/ 14.53H	LAT= -79.4	18- 1976/177/ 19.00H	LAT= 80.9
9- 1976/176/ 14.87H	LAT= -16.2	19- 1976/177/ 21.00H	LAT= 79.5
10- 1976/176/ 16.50H	LAT= 33.4	20- 1976/178/ 1.50H	LAT= 75.3

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/176/ 2.00H TO 1976/178/ 3.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE



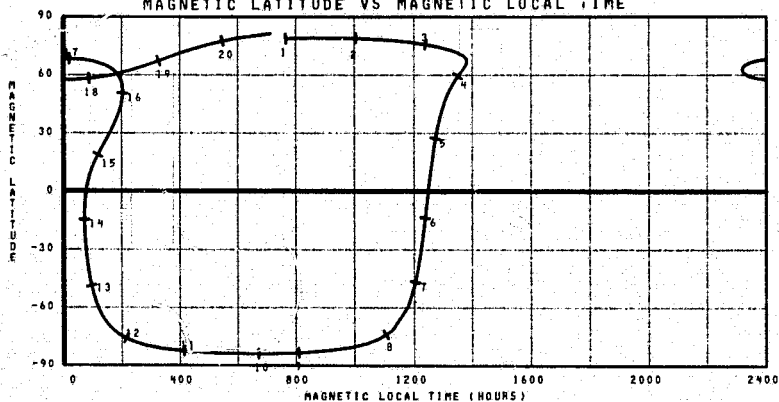
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/176/ 2.00H	R= 16.4RE	11- 1976/177/ 6.50H	R= 18.4RE
2- 1976/176/ 3.67H	R= 15.1RE	12- 1976/177/ 9.00H	R= 19.0RE
3- 1976/176/ 5.00H	R= 13.8RE	13- 1976/177/ 12.00H	R= 20.0RE
4- 1976/176/ 8.83H	R= 10.4RE	14- 1976/177/ 15.00H	R= 20.2RE
5- 1976/176/ 14.00H	R= 1.9RE	15- 1976/177/ 16.00H	R= 20.3RE
6- 1976/176/ 16.92H	R= 6.5RE	16- 1976/177/ 17.50H	R= 20.2RE
7- 1976/176/ 19.00H	R= 9.7RE	17- 1976/177/ 19.00H	R= 20.1RE
8- 1976/176/ 21.50H	R= 12.4RE	18- 1976/177/ 22.50H	R= 19.3RE
9- 1976/177/ 2.47H	R= 16.5RE	19- 1976/178/ 1.50H	R= 18.3RE
10- 1976/177/ 5.00H	R= 17.7RE	20- 1976/178/ 3.00H	R= 17.6RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/176/ 2.00H TO 1976/178/ 3.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

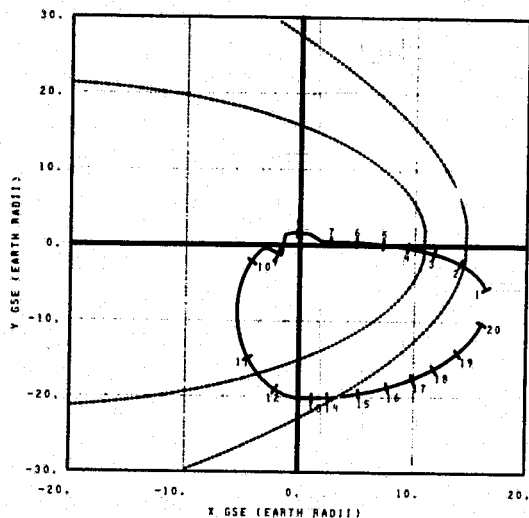


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/176/ 2.00H	R= 16.4RE	8- 1976/176/ 14.35H	R= 1.7RE	15- 1976/176/ 18.75H	R= 9.2RE
2- 1976/176/ 3.67H	R= 15.3RE	9- 1976/176/ 14.43H	R= 1.8RE	16- 1976/177/ 0.83H	R= 19.2RE
3- 1976/176/ 5.00H	R= 13.5RE	10- 1976/176/ 14.45H	R= 1.8RE	17- 1976/177/ 7.40H	R= 19.6RE
4- 1976/176/ 11.50H	R= 6.7RE	11- 1976/176/ 14.48H	R= 1.8RE	18- 1976/177/ 17.00H	R= 20.2RE
5- 1976/176/ 13.35H	R= 2.1RE	12- 1976/176/ 14.50H	R= 1.9RE	19- 1976/177/ 22.00H	R= 19.5RE
6- 1976/176/ 14.17H	R= 2.0RE	13- 1976/176/ 14.51H	R= 1.9RE	20- 1976/178/ 1.50H	R= 18.3RE
7- 1976/176/ 14.17H	R= 1.7RE	14- 1976/176/ 14.52H	R= 1.9RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/176 / 2.00H TO 1976/178 / 3.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

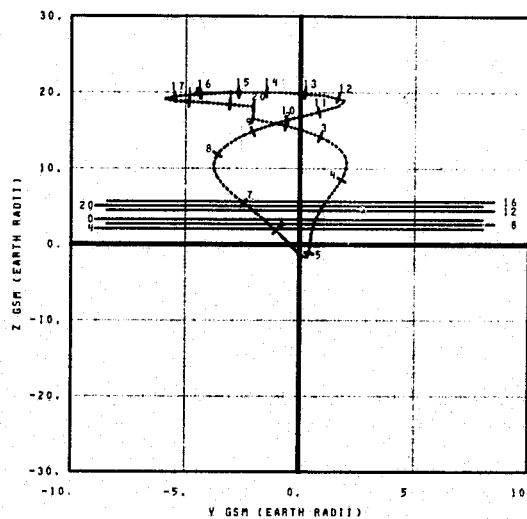


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/178/ 3.50H	LAT= 72.9	11- 1976/179/ 9.50H	LAT= 78.1
2- 1976/178/ 8.17H	LAT= 65.2	12- 1976/179/ 11.03H	LAT= 79.1
3- 1976/178/ 10.03H	LAT= 58.4	13- 1976/179/ 17.03H	LAT= 81.9
4- 1976/178/ 12.03H	LAT= 50.5	14- 1976/179/ 18.33H	LAT= 81.9
5- 1976/178/ 14.33H	LAT= 40.9	15- 1976/179/ 19.33H	LAT= 81.9
6- 1976/178/ 15.47H	LAT= 29.6	16- 1976/179/ 20.33H	LAT= 81.6
7- 1976/178/ 16.75H	LAT= -11.3	17- 1976/179/ 21.33H	LAT= 81.3
8- 1976/178/ 17.50H	LAT= -79.7	18- 1976/179/ 22.33H	LAT= 80.8
9- 1976/178/ 17.92H	LAT= -29.4	19- 1976/179/ 23.03H	LAT= 79.9
10- 1976/178/ 19.17H	LAT= 29.3	20- 1976/180/ 2.03H	LAT= 77.4

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/178/ 3.00H TO 1976/180/ 4.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

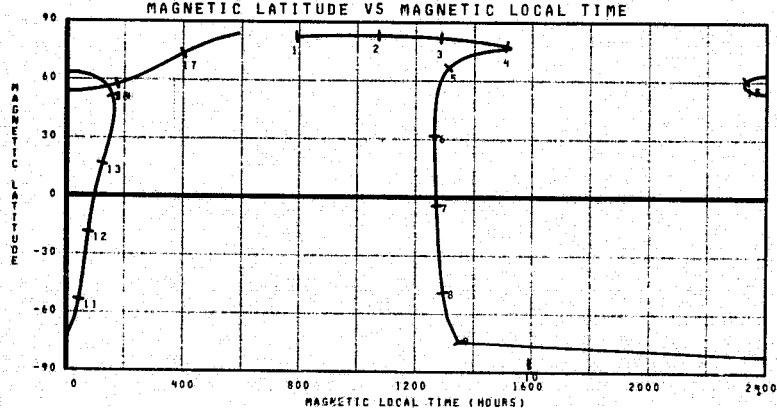


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/178/ 3.50H	R= 17.4RE	11- 1976/179/ 8.33H	R= 17.9RE
2- 1976/178/ 5.00H	R= 16.5RE	12- 1976/179/ 12.03H	R= 19.0RE
3- 1976/178/ 6.03H	R= 15.3RE	13- 1976/179/ 14.03H	R= 19.5RE
4- 1976/178/ 11.03H	R= 10.7RE	14- 1976/179/ 16.33H	R= 20.1RE
5- 1976/178/ 17.00H	R= 2.2RE	15- 1976/179/ 17.33H	R= 20.2RE
6- 1976/178/ 19.17H	R= 4.0RE	16- 1976/179/ 18.03H	R= 20.3RE
7- 1976/178/ 21.08H	R= 8.0RE	17- 1976/179/ 20.33H	R= 20.2RE
8- 1976/179/ 1.03H	R= 13.5RE	18- 1976/180/ 0.03H	R= 19.4RE
9- 1976/179/ 4.67H	R= 15.7RE	19- 1976/180/ 2.03H	R= 19.0RE
10- 1976/179/ 6.50H	R= 16.0RE	20- 1976/180/ 3.03H	R= 18.6RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/178/ 3.00H TO 1976/180/ 4.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



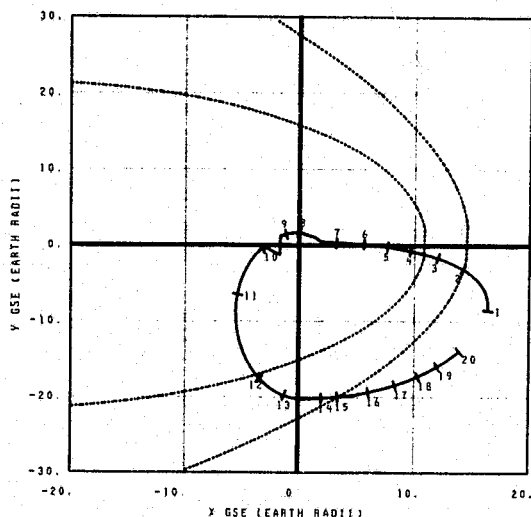
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/178/ 3.50H	R= 17.4RE	8- 1976/178/ 17.42H	R= 1.7RE	15- 1976/179/ 9.03H	R= 18.5RE
2- 1976/178/ 5.00H	R= 16.5RE	9- 1976/178/ 17.50H	R= 1.7RE	16- 1976/179/ 19.33H	R= 20.3RE
3- 1976/178/ 6.03H	R= 15.3RE	10- 1976/178/ 17.57H	R= 1.0RE	17- 1976/180/ 0.03H	R= 19.4RE
4- 1976/178/ 9.67H	R= 12.9RE	11- 1976/179/ 18.03H	R= 2.0RE		
5- 1976/178/ 15.00H	R= 6.2RE	12- 1976/178/ 18.75H	R= 3.9RE		
6- 1976/178/ 16.88H	R= 3.1RE	13- 1976/178/ 21.00H	R= 7.9RE		
7- 1976/178/ 17.00H	R= 2.1RE	14- 1976/179/ 2.33H	R= 13.9RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/178/ 3.00H TO 1976/180/ 4.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/180/ 4.33H	LAT= 75.8	11- 1974/181/ 0.58H	LAT= 48.2
2- 1974/180/ 11.00H	LAT= 64.1	12- 1974/181/ 11.47H	LAT= 75.6
3- 1974/180/ 13.67H	LAT= 59.7	13- 1974/181/ 17.67H	LAT= 80.8
4- 1974/180/ 15.83H	LAT= 51.7	14- 1974/181/ 21.67H	LAT= 81.9
5- 1974/180/ 17.33H	LAT= 42.7	15- 1974/181/ 22.17H	LAT= 81.9
6- 1974/180/ 18.58H	LAT= 29.6	16- 1974/181/ 23.17H	LAT= 81.8
7- 1974/180/ 19.75H	LAT= 0.0	17- 1974/182/ 0.17H	LAT= 81.5
8- 1974/180/ 20.67H	LAT= -81.9	18- 1974/182/ 1.17H	LAT= 81.0
9- 1974/180/ 20.92H	LAT= -52.9	19- 1974/182/ 2.17H	LAT= 80.5
10- 1974/180/ 21.65H	LAT= 3.5	20- 1974/182/ 3.67H	LAT= 79.5

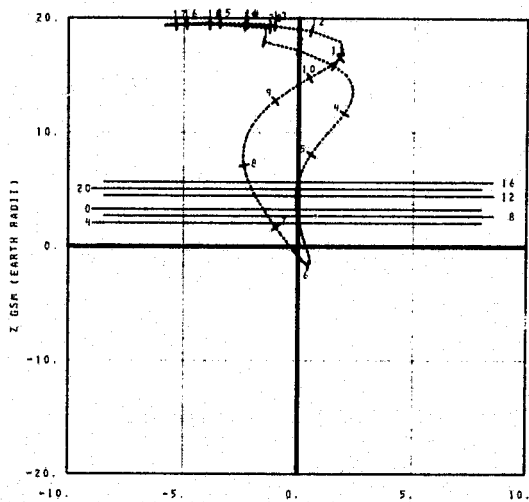
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/180/ 4.00H TO 1974/182/ 5.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/180/ 4.33H	R= 18.5RE	11- 1974/181/ 10.17H	R= 17.1RE
2- 1974/180/ 5.83H	R= 17.8RE	12- 1974/181/ 14.67H	R= 19.1RE
3- 1974/180/ 7.83H	R= 16.7RE	13- 1974/181/ 16.17H	R= 19.5RE
4- 1974/180/ 12.50H	R= 13.3RE	14- 1974/181/ 17.17H	R= 19.7RE
5- 1974/180/ 15.50H	R= 10.1RE	15- 1974/181/ 18.17H	R= 19.9RE
6- 1974/180/ 20.75H	R= 1.7RE	16- 1974/181/ 19.67H	R= 20.1RE
7- 1974/180/ 22.33H	R= 4.7RE	17- 1974/182/ 0.17H	R= 20.2RE
8- 1974/181/ 1.25H	R= 9.3RE	18- 1974/182/ 2.17H	R= 20.6RE
9- 1974/181/ 5.50H	R= 13.9RE	19- 1974/182/ 3.67H	R= 19.7RE
10- 1974/181/ 7.67H	R= 15.5RE	20- 1974/182/ 4.67H	R= 19.4RE

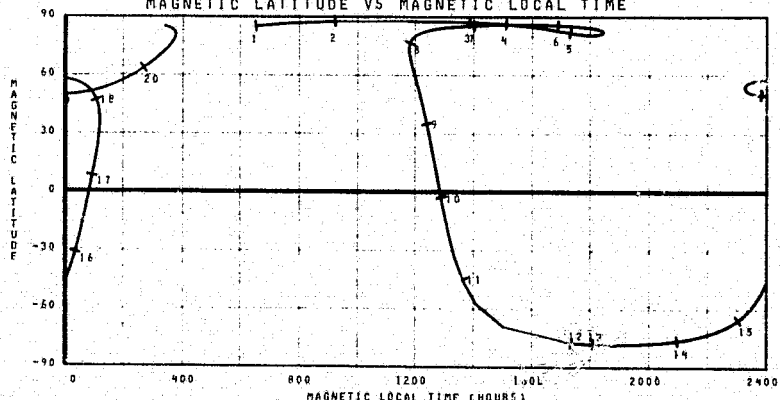
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/180/ 4.00H TO 1974/182/ 5.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

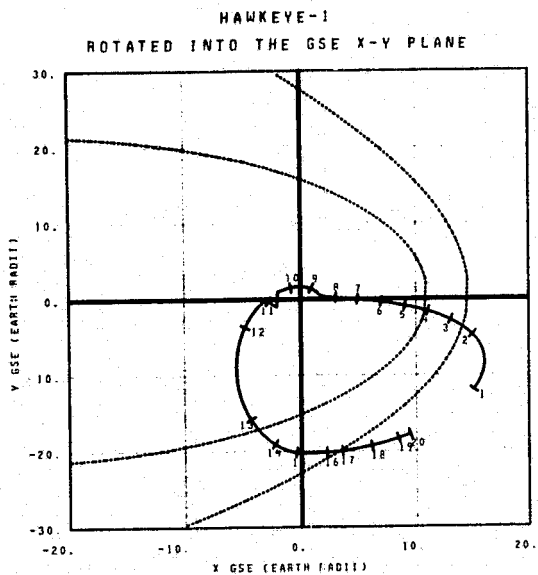


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/180/ 4.33H	R= 18.5RE	8- 1974/180/ 17.62H	R= 7.5RE	15- 1974/180/ 21.03H	R= 2.8RE
2- 1974/180/ 5.33H	R= 18.0RE	9- 1974/180/ 19.67H	R= 5.3RE	16- 1974/180/ 21.67H	R= 2.9RE
3- 1974/180/ 6.33H	R= 17.6RE	10- 1974/180/ 20.25H	R= 2.1RE	17- 1974/180/ 22.83H	R= 5.6RE
4- 1974/180/ 6.83H	R= 17.3RE	11- 1974/180/ 20.58H	R= 1.7RE	18- 1974/181/ 3.17H	R= 11.6RE
5- 1974/180/ 9.33H	R= 15.8RE	12- 1974/180/ 20.83H	R= 1.8RE	19- 1974/181/ 15.67H	R= 19.1RE
6- 1974/180/ 15.00H	R= 10.7RE	13- 1974/180/ 20.88H	R= 1.8RE	20- 1974/181/ 22.67H	R= 20.3RE
7- 1974/180/ 15.83H	R= 9.7RE	14- 1974/180/ 20.92H	R= 1.9RE		

TIME AS YEAR/DAY/HOUR

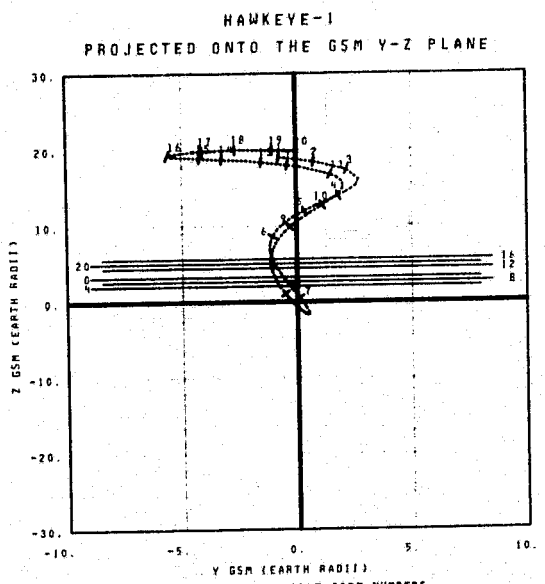
TIME INTERVAL OF PLOT 1974/180 / 4.00H TO 1974/182 / 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/182/ 5.17H	LAT= 78.3	11- 1976/183/ 0.70H	LAT= -4.1
2- 1976/182/ 12.67H	LAT= 69.0	12- 1976/183/ 2.33H	LAT= 35.7
3- 1976/182/ 15.67H	LAT= 63.0	13- 1976/183/ 12.17H	LAT= 72.0
4- 1976/182/ 17.83H	LAT= 56.7	14- 1976/183/ 18.33H	LAT= 79.0
5- 1976/182/ 19.50H	LAT= 49.4	15- 1976/183/ 23.33H	LAT= 81.8
6- 1976/182/ 20.92H	LAT= 39.8	16- 1976/184/ 1.33H	LAT= 81.9
7- 1976/182/ 22.08H	LAT= 25.1	17- 1976/184/ 1.83H	LAT= 81.9
8- 1976/182/ 23.00H	LAT= -1.4	18- 1976/184/ 2.83H	LAT= 81.7
9- 1976/182/ 23.85H	LAT= -80.1	19- 1976/184/ 3.83H	LAT= 81.3
10- 1976/183/ 0.08H	LAT= -59.1	20- 1976/184/ 4.33H	LAT= 81.1

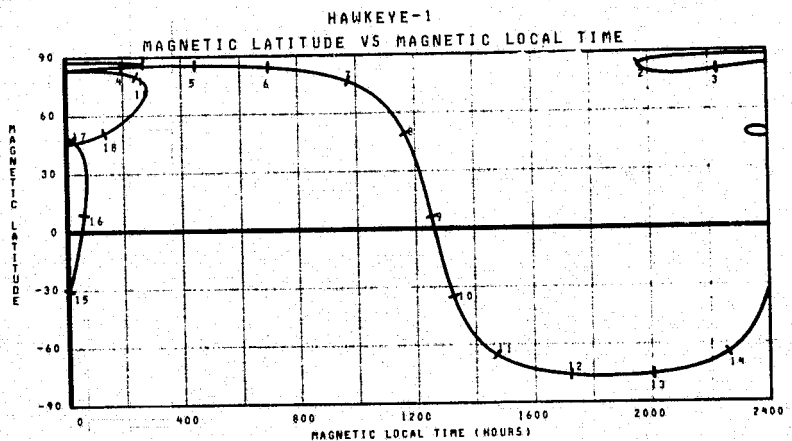
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/182/ 5.00H TO 1976/184/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/182/ 5.17H	R= 19.3RE	11- 1976/183/ 15.67H	R= 17.3RE
2- 1976/182/ 12.67H	R= 18.8RE	12- 1976/183/ 15.83H	R= 18.3RE
3- 1976/182/ 15.67H	R= 18.0RE	13- 1976/183/ 16.83H	R= 18.7RE
4- 1976/182/ 17.83H	R= 15.1RE	14- 1976/183/ 18.33H	R= 19.2RE
5- 1976/182/ 19.50H	R= 13.3RE	15- 1976/183/ 19.33H	R= 19.5RE
6- 1976/182/ 20.92H	R= 10.4RE	16- 1976/183/ 22.33H	R= 20.1RE
7- 1976/182/ 22.75H	R= 3.6RE	17- 1976/184/ 1.83H	R= 20.3RE
8- 1976/183/ 1.23H	R= 4.0RE	18- 1976/184/ 3.33H	R= 20.2RE
9- 1976/183/ 6.17H	R= 11.8RE	19- 1976/184/ 4.83H	R= 20.0RE
10- 1976/183/ 8.67H	R= 13.8RE	20- 1976/184/ 5.83H	R= 19.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/182/ 5.00H TO 1976/184/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

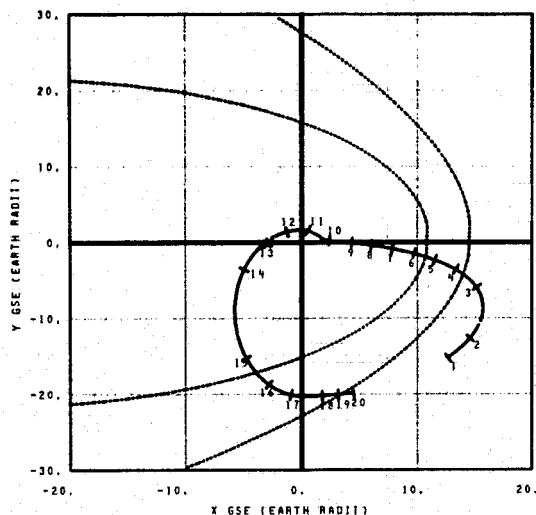
1- 1976/182/ 5.17H	R= 19.3RE	8- 1976/182/ 22.08H	R= 5.0RE	15- 1976/183/ 0.55H	R= 2.0RE
2- 1976/182/ 12.67H	R= 18.8RE	9- 1976/182/ 23.25H	R= 2.0RE	16- 1976/183/ 1.00H	R= 1.2RE
3- 1976/182/ 15.67H	R= 14.2RE	10- 1976/182/ 23.57H	R= 1.0RE	17- 1976/183/ 4.00H	R= 1.2RE
4- 1976/182/ 17.83H	R= 12.0RE	11- 1976/182/ 23.88H	R= 1.7RE	18- 1976/183/ 19.33H	R= 19.5RE
5- 1976/182/ 19.50H	R= 11.3RE	12- 1976/182/ 23.98H	R= 1.7RE	19- 1976/184/ 3.83H	R= 20.0RE
6- 1976/182/ 20.92H	R= 10.0RE	13- 1976/183/ 0.08H	R= 1.0RE		
7- 1976/182/ 21.75H	R= 8.0RE	14- 1976/183/ 0.17H	R= 1.0RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/182/ 5.00H TO 1976/184/ 6.00H

ORIGINAL PAGE IS
OF POOR QUALITY

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/104/ 6.33H	LAT= 79.9	11- 1974/105/ 3.00H	LAT= -81.4
2- 1974/104/ 8.33H	LAT= 78.3	12- 1974/105/ 3.30H	LAT= -80.1
3- 1974/104/ 10.00H	LAT= 70.5	13- 1974/105/ 3.90H	LAT= -80.6
4- 1974/104/ 10.33H	LAT= 64.4	14- 1974/105/ 5.50H	LAT= -39.2
5- 1974/104/ 20.50H	LAT= 58.6	15- 1974/105/ 14.67H	LAT= 70.0
6- 1974/104/ 22.17H	LAT= 52.9	16- 1974/105/ 20.67H	LAT= 70.2
7- 1974/104/ 23.50H	LAT= 49.3	17- 1974/106/ 1.67H	LAT= 81.5
8- 1974/105/ 0.75H	LAT= 33.4	18- 1974/106/ 4.67H	LAT= 81.9
9- 1974/105/ 1.67H	LAT= 17.4	19- 1974/106/ 5.17H	LAT= 81.9
10- 1974/105/ 2.50H	LAT= -24.3	20- 1974/106/ 5.67H	LAT= 81.0

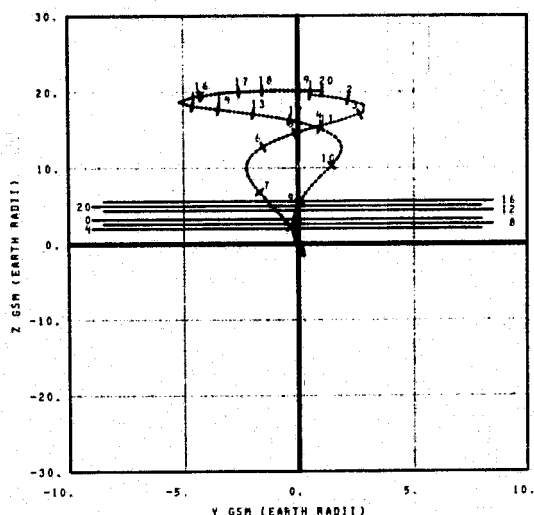
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/104/ 6.00H TO 1974/106/ 7.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/104/ 6.33H	R= 19.0Re	11- 1974/105/ 14.67H	R= 15.9Re
2- 1974/104/ 8.33H	R= 19.3Re	12- 1974/105/ 16.17H	R= 14.9Re
3- 1974/104/ 10.00H	R= 17.0Re	13- 1974/105/ 17.67H	R= 17.7Re
4- 1974/104/ 10.33H	R= 16.4Re	14- 1974/105/ 19.17H	R= 18.3Re
5- 1974/104/ 20.50H	R= 15.9Re	15- 1974/105/ 20.67H	R= 18.9Re
6- 1974/104/ 22.17H	R= 14.1Re	16- 1974/106/ 1.17H	R= 20.0Re
7- 1974/104/ 23.50H	R= 9.2Re	17- 1974/106/ 3.17H	R= 20.3Re
8- 1974/105/ 0.75H	R= 5.1Re	18- 1974/106/ 4.17H	R= 20.3Re
9- 1974/105/ 1.67H	R= 7.7Re	19- 1974/106/ 5.67H	R= 20.3Re
10- 1974/105/ 2.50H	R= 11.9Re	20- 1974/106/ 6.67H	R= 20.2Re

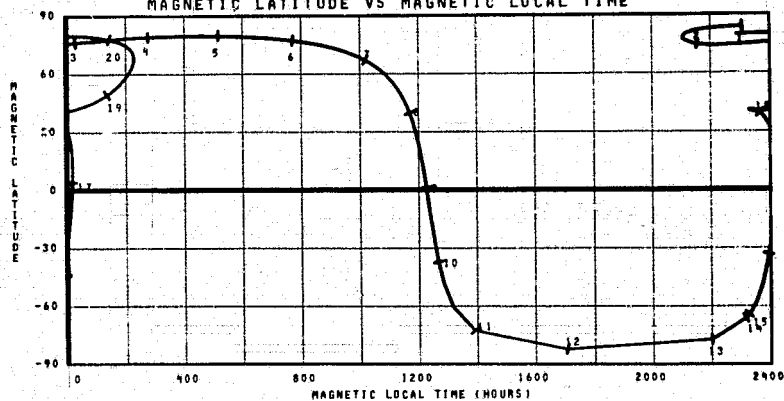
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/104/ 6.00H TO 1974/106/ 7.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

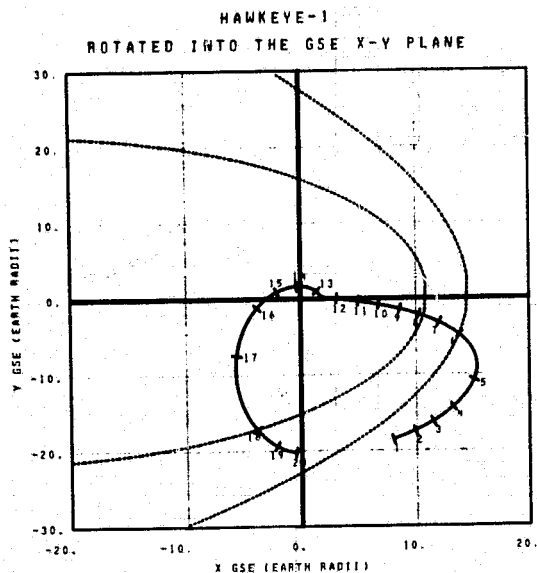


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/104/ 6.33H	R= 19.0Re	11- 1974/105/ 14.67H	R= 15.9Re
2- 1974/104/ 8.33H	R= 19.3Re	12- 1974/105/ 16.17H	R= 14.9Re
3- 1974/104/ 10.00H	R= 17.0Re	13- 1974/105/ 17.67H	R= 17.7Re
4- 1974/104/ 10.33H	R= 16.4Re	14- 1974/105/ 19.17H	R= 18.3Re
5- 1974/104/ 20.50H	R= 15.9Re	15- 1974/105/ 20.67H	R= 18.9Re
6- 1974/104/ 22.17H	R= 14.1Re	16- 1974/106/ 1.17H	R= 20.0Re
7- 1974/104/ 23.50H	R= 9.2Re	17- 1974/106/ 3.17H	R= 20.3Re
8- 1974/105/ 0.75H	R= 5.1Re	18- 1974/106/ 4.17H	R= 20.3Re
9- 1974/105/ 1.67H	R= 7.7Re	19- 1974/106/ 5.67H	R= 20.3Re
10- 1974/105/ 2.50H	R= 11.9Re	20- 1974/106/ 6.67H	R= 20.2Re

TIME AS YEAR/DAY/HOUR

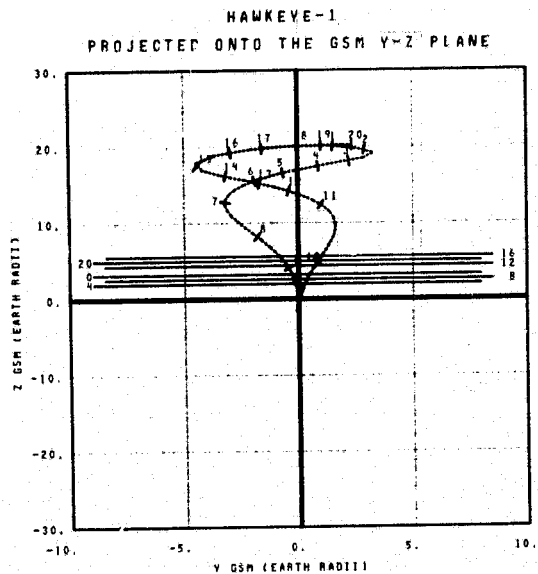
TIME INTERVAL OF PLOT 1974/104/ 6.00H TO 1974/106/ 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/106/ 7.17M	LAT= 61.3	11- 1976/107/ 9.42M	LAT= 25.5
2- 1976/106/ 8.17M	LAT= 60.8	12- 1976/107/ 9.42M	LAT= -0.6
3- 1976/106/ 9.17M	LAT= 60.2	13- 1976/107/ 6.25M	LAT= -76.7
4- 1976/106/ 10.67M	LAT= 79.1	14- 1976/107/ 6.40M	LAT= -79.7
5- 1976/106/ 13.67M	LAT= 76.9	15- 1976/107/ 6.85M	LAT= -22.6
6- 1976/106/ 20.50M	LAT= 66.6	16- 1976/107/ 7.60M	LAT= 16.7
7- 1976/106/ 23.00M	LAT= 60.8	17- 1976/107/ 10.92M	LAT= 52.0
8- 1976/107/ 0.83M	LAT= 54.8	18- 1976/107/ 20.83M	LAT= 74.9
9- 1976/107/ 2.25M	LAT= 47.9	19- 1976/108/ 1.83M	LAT= 74.8
10- 1976/107/ 3.50M	LAT= 38.6	20- 1976/108/ 6.33M	LAT= 61.8

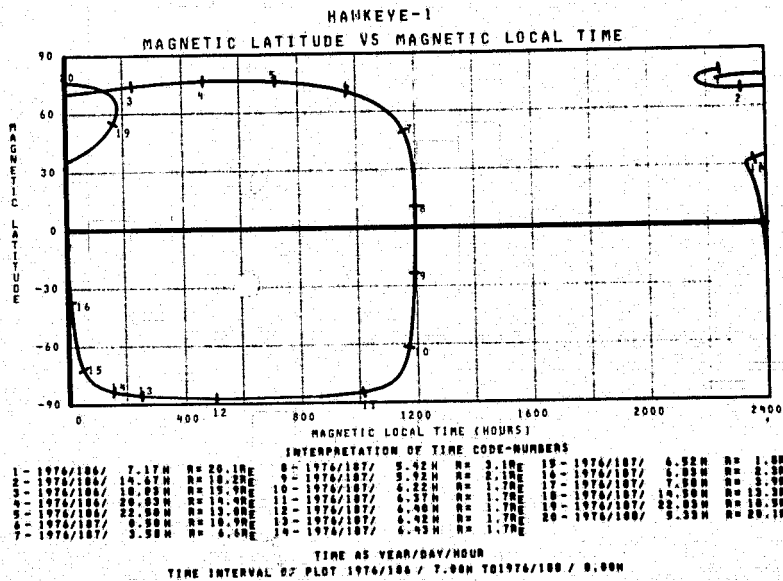
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/106/ 7.00N TO 1976/108/ 8.00N

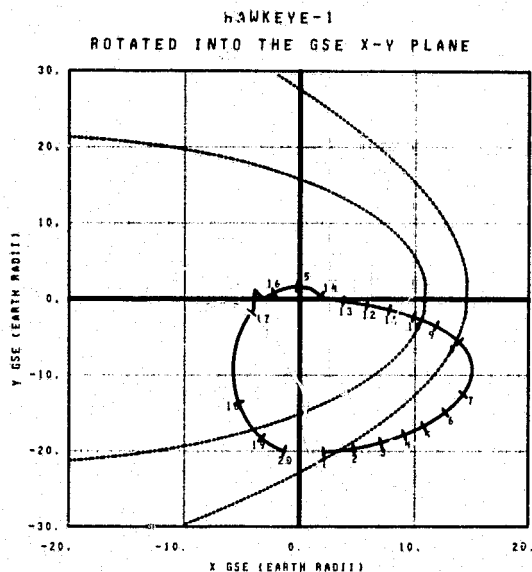


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/106/ 7.17M	R= 20.1RE	11- 1976/107/ 14.83M	R= 13.6RE
2- 1976/106/ 8.17M	R= 19.9RE	12- 1976/107/ 16.67M	R= 15.1RE
3- 1976/106/ 9.17M	R= 18.6RE	13- 1976/107/ 18.00M	R= 16.0RE
4- 1976/106/ 10.67M	R= 17.9RE	14- 1976/107/ 19.67M	R= 17.0RE
5- 1976/106/ 13.67M	R= 17.2RE	15- 1976/107/ 22.33M	R= 18.3RE
6- 1976/106/ 20.50M	R= 16.4RE	16- 1976/108/ 2.33M	R= 19.6RE
7- 1976/106/ 23.00M	R= 14.3RE	17- 1976/108/ 3.83M	R= 19.9RE
8- 1976/107/ 0.83M	R= 10.3RE	18- 1976/108/ 9.33M	R= 20.1RE
9- 1976/107/ 2.25M	R= 6.4RE	19- 1976/108/ 6.33M	R= 20.2RE
10- 1976/107/ 3.50M	R= 7.2RE	20- 1976/108/ 7.83M	R= 20.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/106/ 7.00N TO 1976/108/ 8.00N

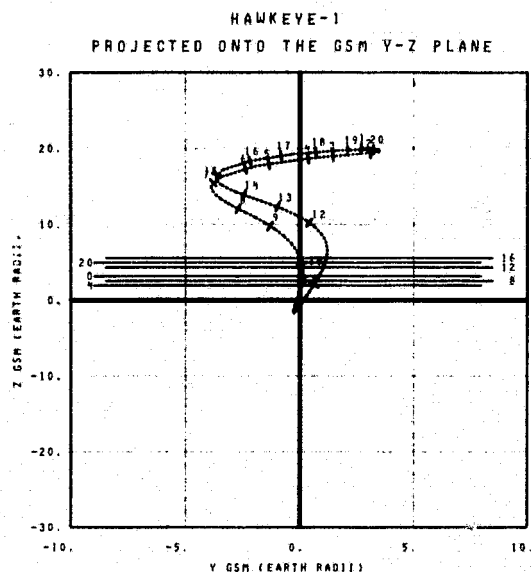




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/100/ 0.33H	LAT= 01.9	11- 1976/109/ 6.00H	LAT= 44.5
2- 1976/100/ 9.33H	LAT= 81.7	12- 1976/109/ 7.25H	LAT= 32.6
3- 1976/100/ 10.33H	LAT= 81.3	13- 1976/109/ 8.33H	LAT= 10.8
4- 1976/100/ 11.33H	LAT= 80.8	14- 1976/109/ 9.33H	LAT= -59.1
5- 1976/100/ 12.33H	LAT= 80.3	15- 1976/109/ 9.50H	LAT= -78.5
6- 1976/100/ 13.03H	LAT= 79.2	16- 1976/109/ 10.10H	LAT= -19.0
7- 1976/100/ 15.03H	LAT= 77.4	17- 1976/109/ 11.17H	LAT= 22.9
8- 1976/100/ 23.33H	LAT= 67.4	18- 1976/109/ 19.33H	LAT= 67.6
9- 1976/109/ 2.33H	LAT= 60.9	19- 1976/100/ 2.17H	LAT= 77.2
10- 1976/109/ 4.33H	LAT= 53.4	20- 1976/100/ 7.67H	LAT= 81.3

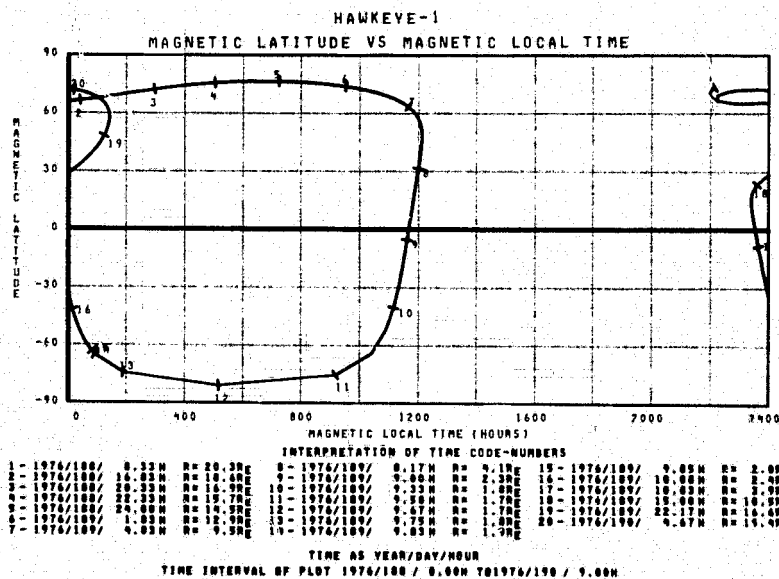
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/100/ 0.00H TO 1976/100/ 9.00H

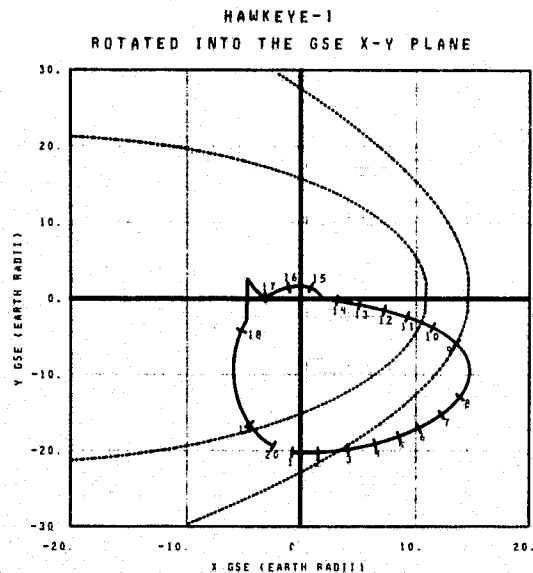


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/100/ 0.33H	R= 20.3RE	11- 1976/109/ 11.33H	R= 4.9RE
2- 1976/100/ 12.03H	R= 19.0RE	12- 1976/109/ 16.17H	R= 11.0RE
3- 1976/100/ 14.03H	R= 19.3RE	13- 1976/109/ 19.00H	R= 13.4RE
4- 1976/100/ 15.03H	R= 19.0RE	14- 1976/109/ 19.03H	R= 15.0RE
5- 1976/100/ 17.33H	R= 18.4RE	15- 1976/109/ 23.67H	R= 17.4RE
6- 1976/100/ 18.33H	R= 18.0RE	16- 1976/100/ 2.67H	R= 18.0RE
7- 1976/100/ 20.03H	R= 16.7RE	17- 1976/100/ 4.17H	R= 19.3RE
8- 1976/109/ 1.00H	R= 13.6RE	18- 1976/100/ 5.67H	R= 19.6RE
9- 1976/109/ 3.17H	R= 11.5RE	19- 1976/100/ 7.17H	R= 19.9RE
10- 1976/109/ 4.42H	R= 7.2RE	20- 1976/100/ 6.67H	R= 20.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/100/ 0.00H TO 1976/100/ 9.00H

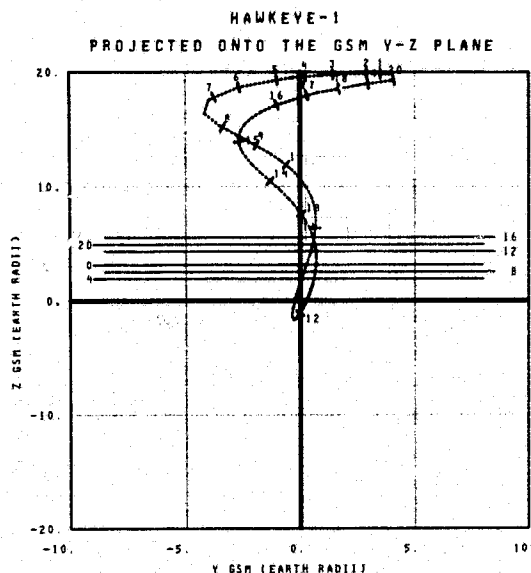




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/190/ 9.17M	LAT= 81.8	11- 1976/191/ 8.60H	LAT= 51.6
2- 1976/190/ 11.67M	LAT= 81.9	12- 1976/191/ 9.50H	LAT= 42.3
3- 1976/190/ 12.67M	LAT= 81.7	13- 1976/191/ 10.03H	LAT= 27.1
4- 1976/190/ 13.67M	LAT= 81.3	14- 1976/191/ 11.03H	LAT= -0.3
5- 1976/190/ 14.67M	LAT= 80.8	15- 1976/191/ 12.72H	LAT= -81.1
6- 1976/190/ 15.67M	LAT= 80.2	16- 1976/191/ 12.98H	LAT= -53.2
7- 1976/190/ 17.17M	LAT= 79.1	17- 1976/191/ 13.69H	LAT= 0.9
8- 1976/190/ 19.17M	LAT= 77.4	18- 1976/191/ 15.50H	LAT= 30.9
9- 1976/191/ 2.03H	LAT= 66.9	19- 1976/192/ 2.17H	LAT= 73.9
10- 1976/191/ 9.03H	LAT= 59.7	20- 1976/192/ 8.33H	LAT= 79.0

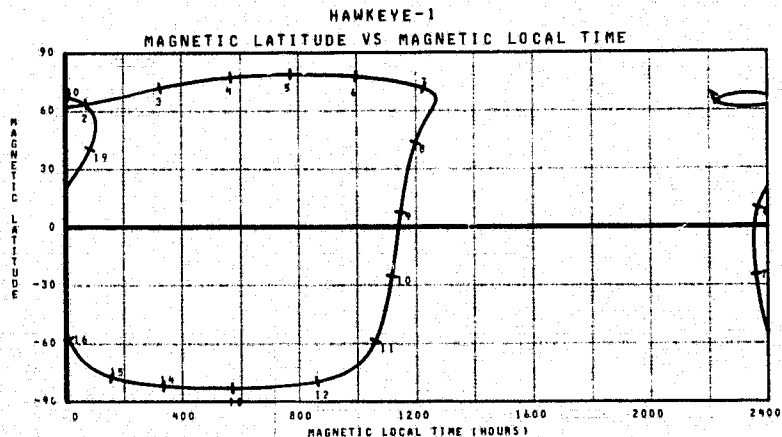
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/190/ 9.00H TO 1976/192/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/190/ 9.17M	R= 20.2RE	11- 1976/191/ 8.75H	R= 0.6RE
2- 1976/190/ 11.67M	R= 20.1RE	12- 1976/191/ 13.22H	R= 2.2RE
3- 1976/190/ 12.67M	R= 19.9RE	13- 1976/191/ 17.50H	R= 9.6RE
4- 1976/190/ 13.67M	R= 19.7RE	14- 1976/191/ 19.67H	R= 12.1RE
5- 1976/190/ 14.67M	R= 19.5RE	15- 1976/191/ 23.17H	R= 15.1RE
6- 1976/190/ 15.67M	R= 19.1RE	16- 1976/192/ 3.33H	R= 17.7RE
7- 1976/190/ 17.17M	R= 18.4RE	17- 1976/192/ 4.03H	R= 18.4RE
8- 1976/191/ 0.67H	R= 14.8RE	18- 1976/192/ 6.33H	R= 18.9RE
9- 1976/191/ 2.03H	R= 14.0RE	19- 1976/192/ 7.03H	R= 19.4RE
10- 1976/191/ 9.67H	R= 13.2RE	20- 1976/192/ 9.03H	R= 19.8RE

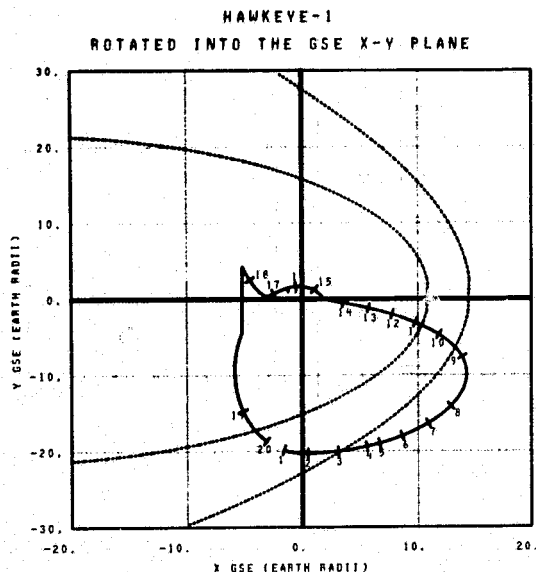
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/190/ 9.00H TO 1976/192/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/190/ 9.17M	R= 20.2RE	9- 1976/191/ 11.55H	R= 2.3RE	15- 1976/191/ 13.02H	R= 1.0RE
2- 1976/190/ 11.67M	R= 19.9RE	10- 1976/191/ 12.50H	R= 1.9RE	16- 1976/191/ 13.22H	R= 2.2RE
3- 1976/190/ 12.67M	R= 19.7RE	11- 1976/191/ 13.69H	R= 1.7RE	17- 1976/191/ 13.69H	R= 3.0RE
4- 1976/190/ 13.67M	R= 19.5RE	12- 1976/191/ 15.50H	R= 1.8RE	18- 1976/191/ 15.50H	R= 7.0RE
5- 1976/190/ 14.67M	R= 19.1RE	13- 1976/191/ 17.50H	R= 1.0RE	19- 1976/191/ 21.67H	R= 15.9RE
6- 1976/191/ 0.67H	R= 14.8RE	14- 1976/191/ 19.67H	R= 1.0RE	20- 1976/192/ 4.33H	R= 18.1RE
7- 1976/191/ 2.03H	R= 14.0RE				

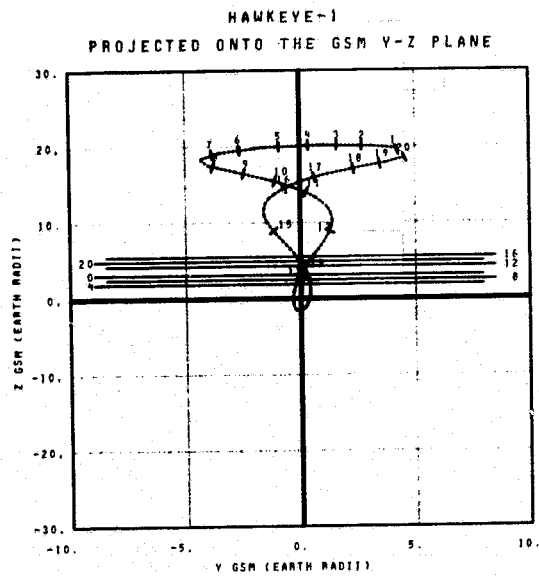
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/190 / 9.00H TO 1976/192 /10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/192/ 10.33H	LAT= 81.0	11- 1976/193/ 10.67H	LAT= 59.1
2- 1976/192/ 14.03H	LAT= 81.9	12- 1976/193/ 12.33H	LAT= 49.2
3- 1976/192/ 15.03H	LAT= 81.7	13- 1976/193/ 13.67H	LAT= 32.6
4- 1976/192/ 16.03H	LAT= 81.4	14- 1976/193/ 14.03H	LAT= 0.0
5- 1976/192/ 17.33H	LAT= 81.1	15- 1976/193/ 15.03H	LAT= -80.9
6- 1976/192/ 18.33H	LAT= 80.6	16- 1976/193/ 16.03H	LAT= -67.0
7- 1976/192/ 19.03H	LAT= 79.6	17- 1976/193/ 16.62H	LAT= -13.0
8- 1976/192/ 21.03H	LAT= 78.0	18- 1976/193/ 17.92H	LAT= 28.8
9- 1976/193/ 4.50H	LAT= 69.7	19- 1976/194/ 3.00H	LAT= 69.7
10- 1976/193/ 8.33H	LAT= 61.8	20- 1976/194/ 9.67H	LAT= 78.1

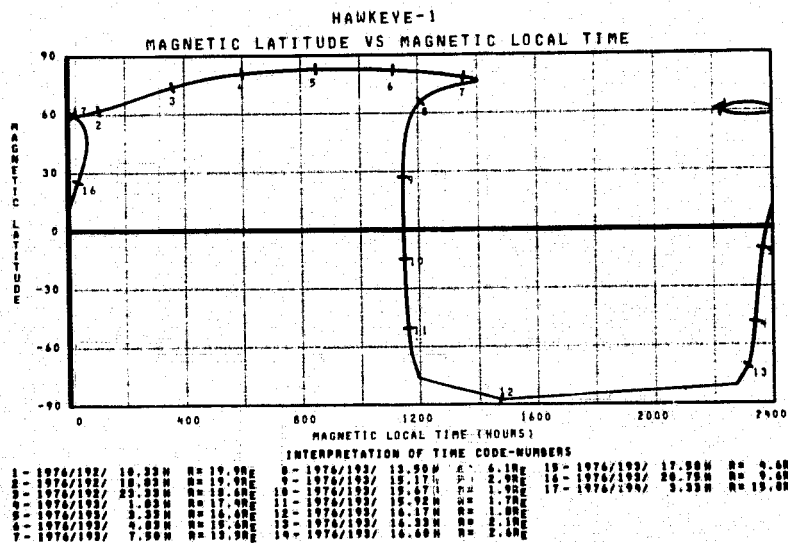
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/192/10.00H TO 1976/194/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/192/ 10.33H	R= 19.9Re	11- 1976/193/ 9.03H	R= 14.9Re
2- 1976/192/ 14.33H	R= 20.3Re	12- 1976/193/ 10.33H	R= 10.6Re
3- 1976/192/ 15.33H	R= 20.2Re	13- 1976/193/ 13.03H	R= 9.9Re
4- 1976/192/ 16.33H	R= 20.2Re	14- 1976/193/ 10.67H	R= 6.6Re
5- 1976/192/ 17.33H	R= 20.1Re	15- 1976/193/ 21.67H	R= 10.0Re
6- 1976/192/ 18.03H	R= 19.9Re	16- 1976/194/ 2.03H	R= 19.5Re
7- 1976/192/ 20.33H	R= 19.5Re	17- 1976/194/ 4.67H	R= 16.7Re
8- 1976/193/ 0.33H	R= 18.2Re	18- 1976/194/ 6.67H	R= 17.7Re
9- 1976/193/ 2.33H	R= 17.2Re	19- 1976/194/ 8.17H	R= 10.4Re
10- 1976/193/ 4.00H	R= 16.2Re	20- 1976/194/ 10.67H	R= 19.3Re

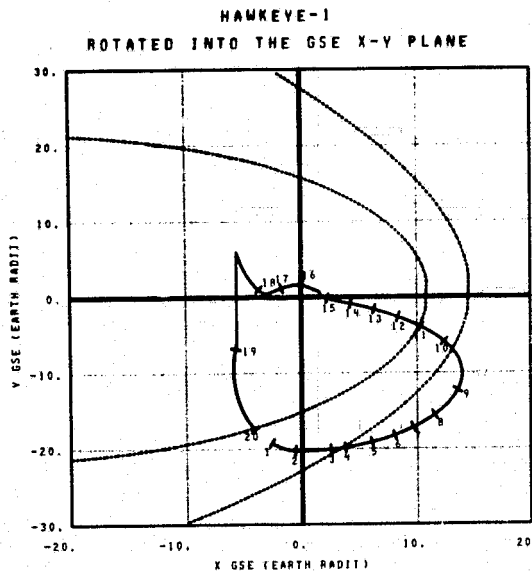
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/192/10.00H TO 1976/194/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/192/ 10.33H	R= 19.9Re	11- 1976/193/ 13.50H	R= 6.1Re	15- 1976/193/ 17.50H	R= 9.0Re
2- 1976/192/ 10.03H	R= 19.9Re	12- 1976/193/ 13.17H	R= 2.0Re	16- 1976/193/ 20.75H	R= 0.0Re
3- 1976/192/ 23.33H	R= 18.6Re	13- 1976/193/ 15.07H	R= 1.0Re	17- 1976/194/ 5.33H	R= 19.0Re
4- 1976/192/ 1.03H	R= 17.4Re	14- 1976/193/ 15.00H	R= 1.0Re		
5- 1976/192/ 3.33H	R= 16.0Re	15- 1976/193/ 10.17H	R= 1.0Re		
6- 1976/192/ 0.33H	R= 15.0Re	16- 1976/193/ 10.33H	R= 2.1Re		
7- 1976/193/ 7.50H	R= 13.5Re	17- 1976/193/ 10.60H	R= 2.0Re		

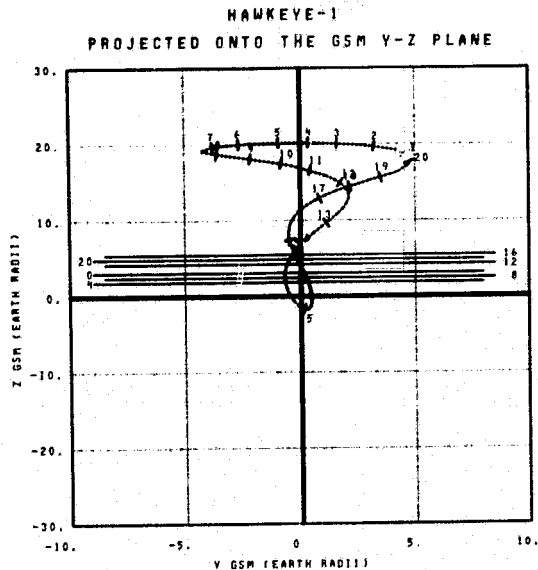
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/192/10.00H TO 1976/194/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/194/ 11.17H	LAT= 79.4	11- 1976/195/ 13.17H	LAT= 56.9
2- 1976/194/ 16.67H	LAT= 81.9	12- 1976/195/ 19.00H	LAT= 48.7
3- 1976/194/ 19.17H	LAT= 81.7	13- 1976/195/ 16.30H	LAT= 37.1
4- 1976/194/ 19.67H	LAT= 81.5	14- 1976/195/ 17.67H	LAT= 18.9
5- 1976/194/ 20.67H	LAT= 81.1	15- 1976/195/ 18.67H	LAT= -26.7
6- 1976/194/ 21.67H	LAT= 80.6	16- 1976/195/ 19.17H	LAT= -81.0
7- 1976/194/ 22.67H	LAT= 79.9	17- 1976/195/ 19.58H	LAT= -32.6
8- 1976/195/ 0.17H	LAT= 78.0	18- 1976/195/ 20.42H	LAT= 13.2
9- 1976/195/ 3.17H	LAT= 75.9	19- 1976/195/ 23.42H	LAT= 49.8
10- 1976/195/ 10.50H	LAT= 64.4	20- 1976/196/ 10.33H	LAT= 75.4

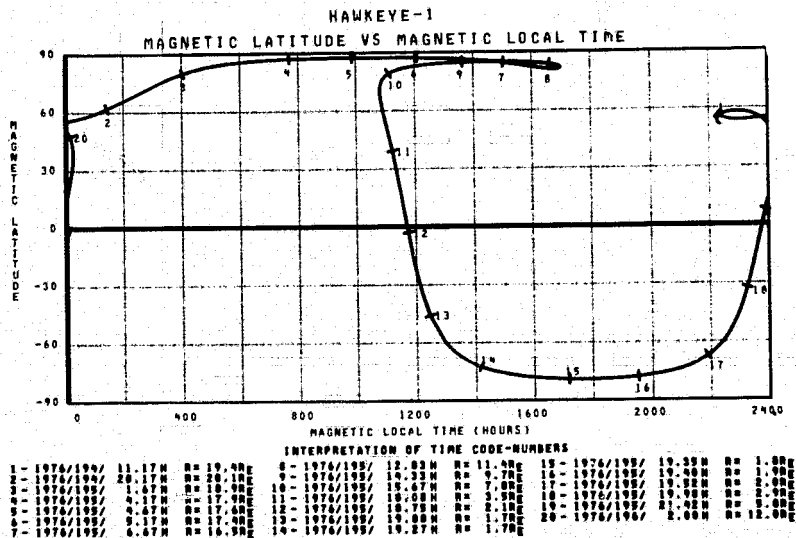
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/194/11.00H TO 1976/196/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/194/ 11.17H	R= 19.4Re	11- 1976/195/ 9.67H	R= 17.1Re
2- 1976/194/ 16.67H	R= 20.0Re	12- 1976/195/ 7.03H	R= 15.0Re
3- 1976/194/ 19.17H	R= 20.2Re	13- 1976/195/ 13.00H	R= 11.3Re
4- 1976/194/ 19.67H	R= 20.2Re	14- 1976/195/ 15.33H	R= 8.3Re
5- 1976/194/ 20.67H	R= 20.3Re	15- 1976/195/ 19.00H	R= 1.7Re
6- 1976/194/ 21.67H	R= 20.2Re	16- 1976/195/ 23.03H	R= 9.5Re
7- 1976/194/ 22.67H	R= 20.1Re	17- 1976/196/ 4.33H	R= 14.2Re
8- 1976/195/ 0.67H	R= 19.2Re	18- 1976/196/ 6.17H	R= 19.6Re
9- 1976/195/ 2.67H	R= 18.5Re	19- 1976/196/ 8.00H	R= 16.7Re
10- 1976/195/ 4.17H	R= 17.9Re	20- 1976/196/ 11.03H	R= 10.4Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/194/11.00H TO 1976/196/12.00H

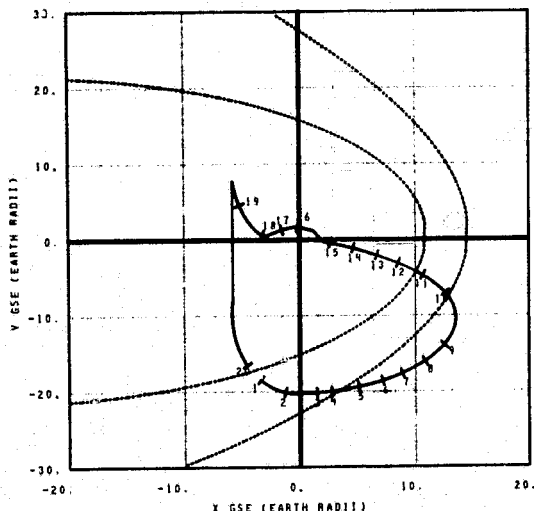


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/194/ 11.17H	R= 19.4Re	8- 1976/195/ 12.03H	R= 11.0Re	15- 1976/195/ 19.33H	R= 1.0Re
2- 1976/194/ 16.67H	R= 20.1Re	9- 1976/195/ 15.43H	R= 9.7Re	16- 1976/195/ 19.40H	R= 1.7Re
3- 1976/195/ 0.67H	R= 19.0Re	10- 1976/195/ 16.67H	R= 9.7Re	17- 1976/195/ 19.00H	R= 2.0Re
4- 1976/195/ 4.17H	R= 17.9Re	11- 1976/195/ 18.00H	R= 3.5Re	18- 1976/195/ 21.00H	R= 1.0Re
5- 1976/195/ 6.67H	R= 17.6Re	12- 1976/195/ 18.78H	R= 1.1Re	19- 1976/196/ 8.00H	R= 16.7Re
6- 1976/195/ 11.17H	R= 16.3Re	13- 1976/195/ 19.00H	R= 1.7Re	20- 1976/196/ 11.03H	R= 10.4Re
7- 1976/195/ 16.67H	R= 15.0Re	14- 1976/195/ 19.27H	R= 1.7Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/194/11.00H TO 1976/196/12.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

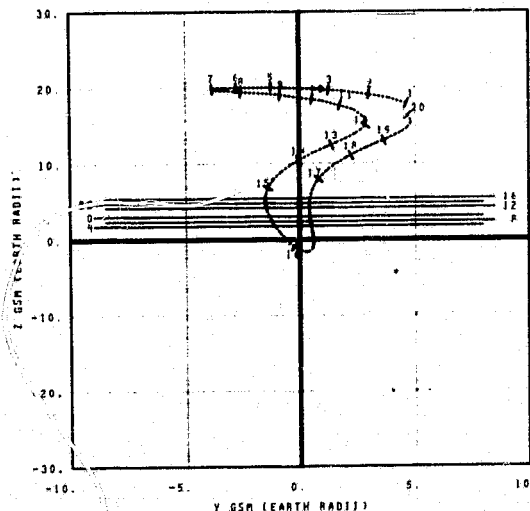


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/196/ 12.33H	LAT= 77.4	11 - 1976/197/ 15.03H	LAT= 58.0
2 - 1976/196/ 16.33H	LAT= 81.0	12 - 1976/197/ 16.00H	LAT= 49.9
3 - 1976/196/ 22.33H	LAT= 81.7	13 - 1976/197/ 19.42H	LAT= 40.1
4 - 1976/196/ 22.03H	LAT= 81.4	14 - 1976/197/ 20.67H	LAT= 23.5
5 - 1976/196/ 23.03H	LAT= 81.2	15 - 1976/197/ 21.67H	LAT= -31.2
6 - 1976/197/ 0.03H	LAT= 80.4	16 - 1976/197/ 22.42H	LAT= -78.8
7 - 1976/197/ 1.03H	LAT= 80.0	17 - 1976/197/ 22.75H	LAT= -34.9
8 - 1976/197/ 3.33H	LAT= 78.9	18 - 1976/197/ 23.38H	LAT= 4.8
9 - 1976/197/ 5.33H	LAT= 77.0	19 - 1976/198/ 1.33H	LAT= 40.4
10 - 1976/197/ 12.03H	LAT= 66.4	20 - 1976/198/ 12.00H	LAT= 73.5

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/196/12.00H TO 1976/198/13.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

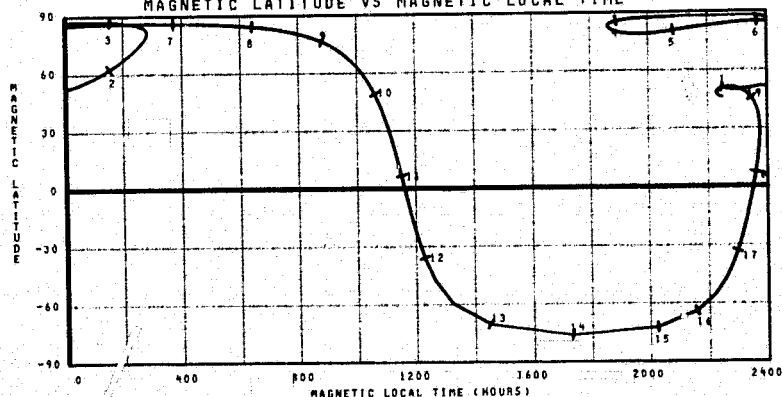


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/196/ 12.33H	R= 18.0RE	11 - 1976/197/ 6.03H	R= 18.1RE
2 - 1976/196/ 14.03H	R= 19.5RE	12 - 1976/197/ 10.03H	R= 15.9RE
3 - 1976/196/ 16.33H	R= 19.9RE	13 - 1976/197/ 13.03H	R= 13.4RE
4 - 1976/196/ 17.33H	R= 20.0RE	14 - 1976/197/ 15.07H	R= 11.8RE
5 - 1976/196/ 18.33H	R= 20.1RE	15 - 1976/197/ 16.17H	R= 6.8RE
6 - 1976/196/ 19.03H	R= 20.2RE	16 - 1976/197/ 21.03H	R= 2.3RE
7 - 1976/196/ 21.03H	R= 20.2RE	17 - 1976/198/ 3.42H	R= 10.0RE
8 - 1976/197/ 1.03H	R= 19.7RE	18 - 1976/198/ 6.00H	R= 12.8RE
9 - 1976/197/ 3.03H	R= 19.2RE	19 - 1976/198/ 8.17H	R= 14.7RE
10 - 1976/197/ 5.33H	R= 18.7RE	20 - 1976/198/ 12.07H	R= 17.5RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/196/12.00H TO 1976/198/13.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

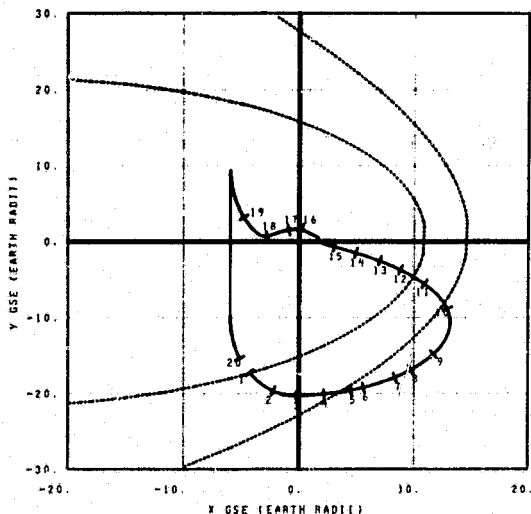


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/196/ 12.33H	R= 18.0RE	8 - 1976/197/ 17.17H	R= 18.1RE	15 - 1976/197/ 22.50H	R= 1.8RE
2 - 1976/196/ 21.33H	R= 20.3RE	9 - 1976/197/ 18.50H	R= 8.4RE	16 - 1976/197/ 22.67H	R= 1.2RE
3 - 1976/197/ 4.33H	R= 19.1RE	10 - 1976/197/ 20.50H	R= 6.0RE	17 - 1976/197/ 22.67H	R= 1.2RE
4 - 1976/197/ 6.33H	R= 18.3RE	11 - 1976/197/ 22.50H	R= 2.8RE	18 - 1976/198/ 0.00H	R= 6.8RE
5 - 1976/197/ 10.33H	R= 14.0RE	12 - 1976/197/ 22.17H	R= 1.8RE	19 - 1976/198/ 4.00H	R= 10.7RE
6 - 1976/197/ 16.50H	R= 10.9RE	13 - 1976/197/ 22.38H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/196/12.00H TO 1976/198/13.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

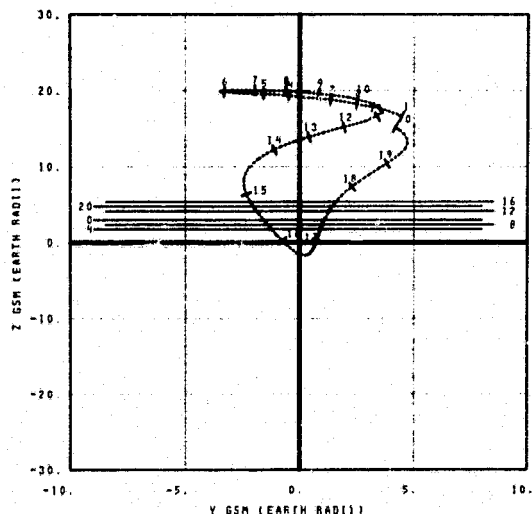


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/198/ 13.17H	LAT= 74.9	11- 1976/199/ 10.50H	LAT= 66.5
2- 1976/198/ 19.17H	LAT= 80.4	12- 1976/199/ 20.83H	LAT= 51.9
3- 1976/199/ 0.47H	LAT= 81.9	13- 1976/199/ 22.33H	LAT= 42.7
4- 1976/199/ 2.17H	LAT= 81.5	14- 1976/199/ 23.67H	LAT= 27.4
5- 1976/199/ 3.17H	LAT= 81.1	15- 1976/200/ 0.67H	LAT= 0.0
6- 1976/199/ 3.67H	LAT= 80.9	16- 1976/200/ 1.50H	LAT= -81.9
7- 1976/199/ 5.17H	LAT= 80.0	17- 1976/200/ 1.80H	LAT= -55.7
8- 1976/199/ 6.17H	LAT= 77.2	18- 1976/200/ 2.40H	LAT= -4.0
9- 1976/199/ 8.17H	LAT= 77.5	19- 1976/200/ 3.83H	LAT= 32.8
10- 1976/199/ 14.50H	LAT= 69.3	20- 1976/200/ 13.50H	LAT= 70.9

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/198/13.00H TO 1976/200/14.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

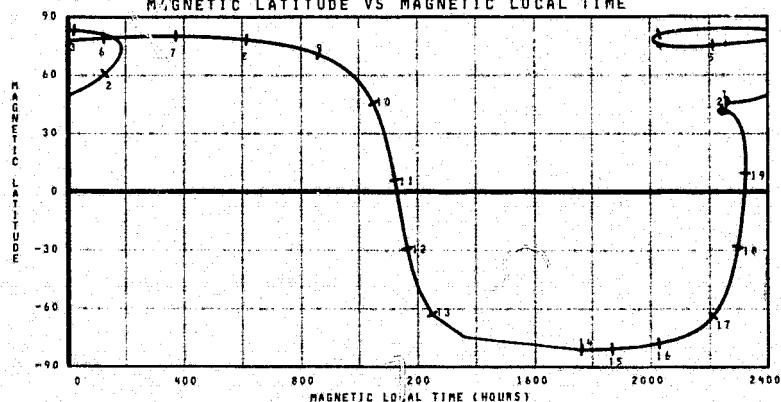


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/198/ 13.17H	R= 17.8Re	11- 1976/199/ 11.67H	R= 17.3Re
2- 1976/198/ 19.17H	R= 18.0Re	12- 1976/199/ 19.00H	R= 15.9Re
3- 1976/199/ 0.47H	R= 19.2Re	13- 1976/199/ 19.67H	R= 14.8Re
4- 1976/199/ 2.17H	R= 19.4Re	14- 1976/199/ 17.33H	R= 13.4Re
5- 1976/199/ 3.17H	R= 19.8Re	15- 1976/199/ 21.50H	R= 8.7Re
6- 1976/199/ 3.67H	R= 20.2Re	16- 1976/200/ 0.50H	R= 3.3Re
7- 1976/199/ 5.17H	R= 20.2Re	17- 1976/200/ 2.43H	R= 3.4Re
8- 1976/199/ 6.17H	R= 20.0Re	18- 1976/200/ 6.42H	R= 9.7Re
9- 1976/199/ 8.17H	R= 19.7Re	19- 1976/200/ 9.98H	R= 12.6Re
10- 1976/199/ 7.17H	R= 19.2Re	20- 1976/200/ 14.00H	R= 14.5Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/198/13.00H TO 1976/200/14.00H

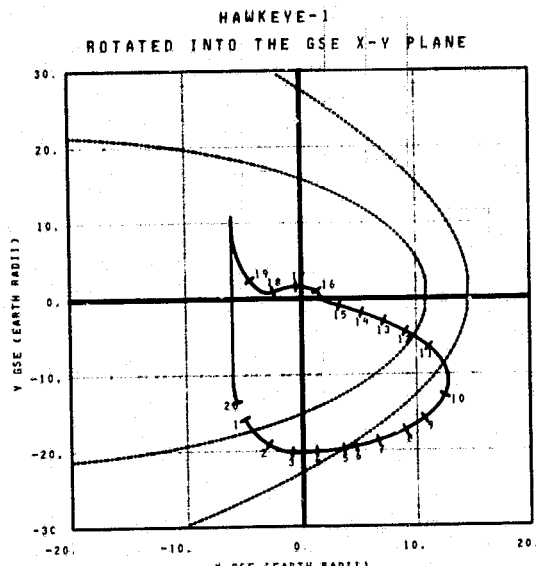
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/198/ 13.17H	R= 17.8Re	8- 1976/199/ 10.50H	R= 11.2Re	15- 1976/200/ 1.68H	R= 1.7Re
2- 1976/198/ 19.17H	R= 20.2Re	9- 1976/199/ 21.17H	R= 9.1Re	16- 1976/200/ 1.72H	R= 1.7Re
3- 1976/199/ 0.47H	R= 19.2Re	10- 1976/199/ 22.33H	R= 9.3Re	17- 1976/200/ 1.83H	R= 1.9Re
4- 1976/199/ 2.17H	R= 19.4Re	11- 1976/199/ 0.67H	R= 2.6Re	18- 1976/200/ 2.20H	R= 2.5Re
5- 1976/199/ 3.17H	R= 19.8Re	12- 1976/200/ 1.25H	R= 2.0Re	19- 1976/200/ 3.13H	R= 5.9Re
6- 1976/199/ 3.67H	R= 20.2Re	13- 1976/200/ 1.80H	R= 1.7Re	20- 1976/200/ 6.67H	R= 12.5Re
7- 1976/199/ 5.17H	R= 20.2Re	14- 1976/200/ 1.67H	R= 1.7Re		

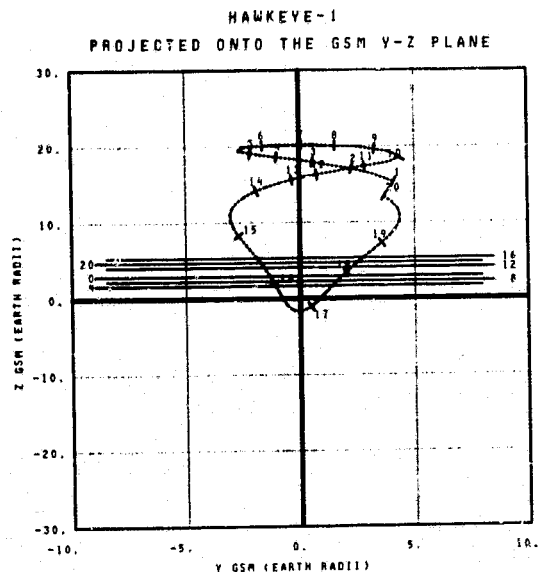
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/198/13.00H TO 1976/200/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 14.17H LAT= 71.9	11- 1976/201/ 21.17H LAT= 42.1
2- 1976/200/ 20.03H LAT= 79.3	12- 1976/201/ 23.47H LAT= 53.7
3- 1976/201/ 2.33H LAT= 81.9	13- 1976/202/ 1.33H LAT= 44.7
4- 1976/201/ 5.33H LAT= 81.6	14- 1976/202/ 2.67H LAT= 30.1
5- 1976/201/ 6.33H LAT= 81.2	15- 1976/202/ 3.75H LAT= 9.4
6- 1976/201/ 6.03H LAT= 80.9	16- 1976/202/ 4.75H LAT= -00.1
7- 1976/201/ 7.03H LAT= 80.4	17- 1976/202/ 4.92H LAT= -08.9
8- 1976/201/ 9.33H LAT= 79.3	18- 1976/202/ 5.47H LAT= -12.3
9- 1976/201/ 10.03H LAT= 79.0	19- 1976/202/ 6.47H LAT= -27.1
10- 1976/201/ 10.03H LAT= 74.9	20- 1976/202/ 14.47H LAT= -67.3

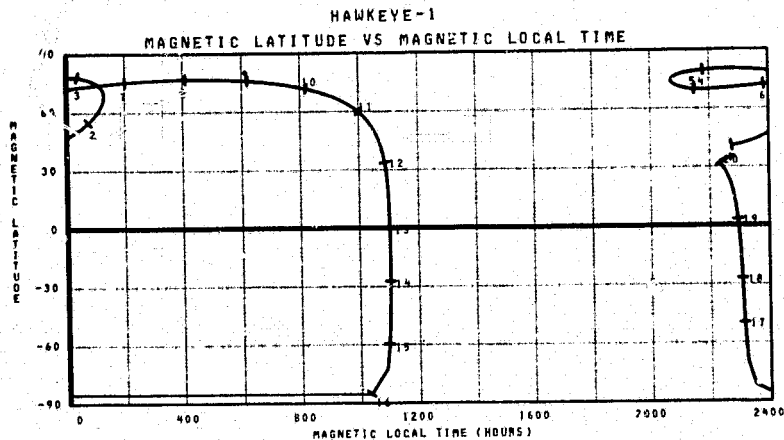
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/200/14.00H TO 1976/202/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 14.17H R= 16.4RE	11- 1976/201/ 13.03H R= 17.9RE
2- 1976/200/ 16.33H R= 17.0RE	12- 1976/201/ 15.03H R= 16.0RE
3- 1976/200/ 17.03H R= 18.4RE	13- 1976/201/ 16.03H R= 16.2RE
4- 1976/200/ 19.33H R= 19.0RE	14- 1976/201/ 18.50H R= 15.0RE
5- 1976/200/ 20.03H R= 19.4RE	15- 1976/201/ 23.50H R= 10.2RE
6- 1976/201/ 1.03H R= 20.2RE	16- 1976/202/ 3.03H R= 4.0RE
7- 1976/201/ 3.03H R= 20.3RE	17- 1976/202/ 5.33H R= 2.4RE
8- 1976/201/ 5.33H R= 20.3RE	18- 1976/202/ 7.42H R= 6.4RE
9- 1976/201/ 7.33H R= 19.9RE	19- 1976/202/ 9.42H R= 10.1RE
10- 1976/201/ 10.03H R= 19.0RE	20- 1976/202/ 15.00H R= 15.0RE

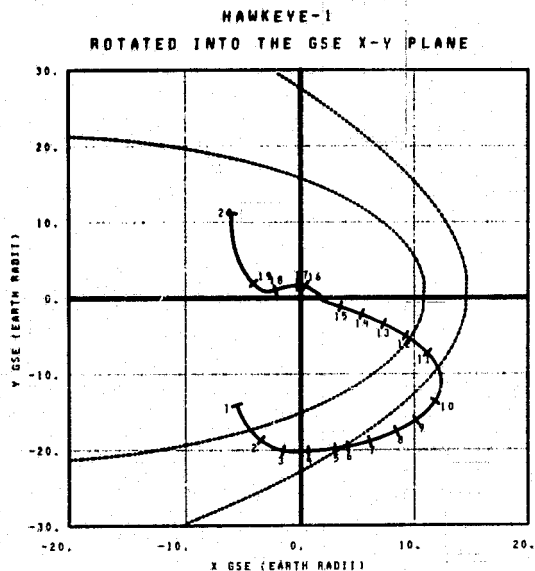
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/200/14.00H TO 1976/202/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 14.17H R= 16.4RE	9- 1976/201/ 20.05H R= 13.0RE	19- 1976/202/ 4.47H R= 1.7RE
2- 1976/200/ 16.33H R= 17.0RE	10- 1976/201/ 21.33H R= 12.4RE	19- 1976/202/ 4.03H R= 1.7RE
3- 1976/200/ 17.03H R= 18.4RE	11- 1976/201/ 22.03H R= 11.0RE	17- 1976/202/ 5.17H R= 2.1RE
4- 1976/201/ 19.33H R= 19.0RE	12- 1976/201/ 23.17H R= 8.3RE	18- 1976/202/ 5.43H R= 2.1RE
5- 1976/201/ 20.03H R= 19.4RE	13- 1976/201/ 23.50H R= 6.4RE	18- 1976/202/ 5.17H R= 4.1RE
6- 1976/201/ 1.03H R= 20.2RE	14- 1976/202/ 4.03H R= 2.7RE	20- 1976/202/ 10.50H R= 10.0RE
7- 1976/201/ 3.03H R= 20.3RE	15- 1976/202/ 4.42H R= 2.0RE	

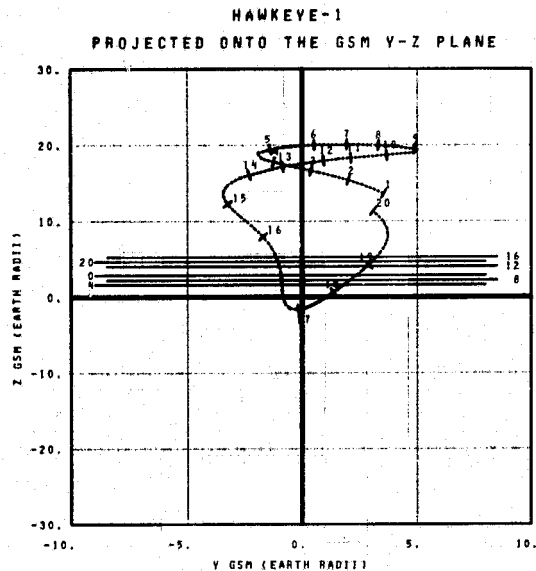
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/200/14.00H TO 1976/202/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/202/ 15.17H	LAT= 60.3	11- 1976/203/ 23.03H	LAT= 43.5
2- 1976/202/ 22.67H	LAT= 70.1	12- 1976/204/ 2.50H	LAT= 55.3
3- 1976/203/ 4.17H	LAT= 81.6	13- 1976/204/ 9.33H	LAT= 95.9
4- 1976/203/ 8.67H	LAT= 81.9	14- 1976/204/ 5.75H	LAT= 32.6
5- 1976/203/ 9.67H	LAT= 81.1	15- 1976/204/ 6.03H	LAT= 10.9
6- 1976/203/ 10.17H	LAT= 80.9	16- 1976/204/ 8.00H	LAT= -81.9
7- 1976/203/ 11.17H	LAT= 80.3	17- 1976/204/ 8.00H	LAT= -79.3
8- 1976/203/ 12.67H	LAT= 79.2	18- 1976/204/ 8.60H	LAT= -17.4
9- 1976/203/ 14.17H	LAT= 70.0	19- 1976/204/ 9.60H	LAT= 21.7
10- 1976/203/ 16.67H	LAT= 75.4	20- 1976/204/ 15.50H	LAT= 61.9

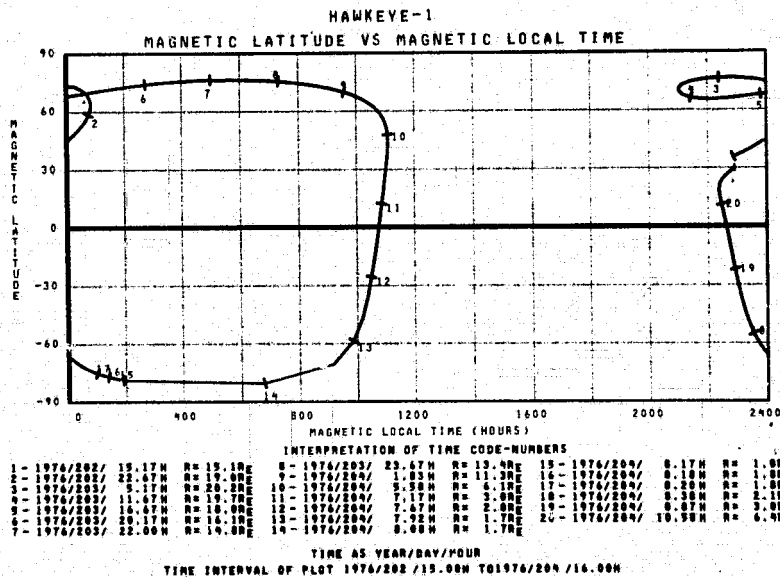
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/202/15.00H TO 1976/204/16.00H

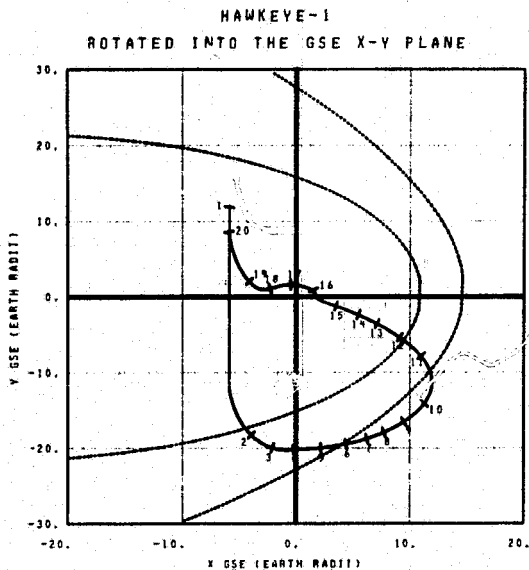


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/202/ 15.17H	R= 15.1R	11- 1976/203/ 23.03H	R= 10.6R
2- 1976/202/ 22.67H	R= 16.9R	12- 1976/203/ 16.17H	R= 10.2R
3- 1976/203/ 4.17H	R= 17.3R	13- 1976/203/ 17.67H	R= 17.5R
4- 1976/203/ 8.67H	R= 18.3R	14- 1976/203/ 19.17H	R= 16.7R
5- 1976/203/ 9.67H	R= 19.7R	15- 1976/203/ 23.50H	R= 15.6R
6- 1976/203/ 10.17H	R= 20.1R	16- 1976/204/ 3.17H	R= 9.7R
7- 1976/203/ 11.17H	R= 20.2R	17- 1976/204/ 8.17H	R= 1.0R
8- 1976/203/ 12.67H	R= 20.3R	18- 1976/204/ 9.37H	R= 4.1R
9- 1976/203/ 14.17H	R= 20.1R	19- 1976/204/ 11.25H	R= 7.5R
10- 1976/203/ 16.67H	R= 19.2R	20- 1976/204/ 16.00H	R= 13.1R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/202/15.00H TO 1976/204/16.00H

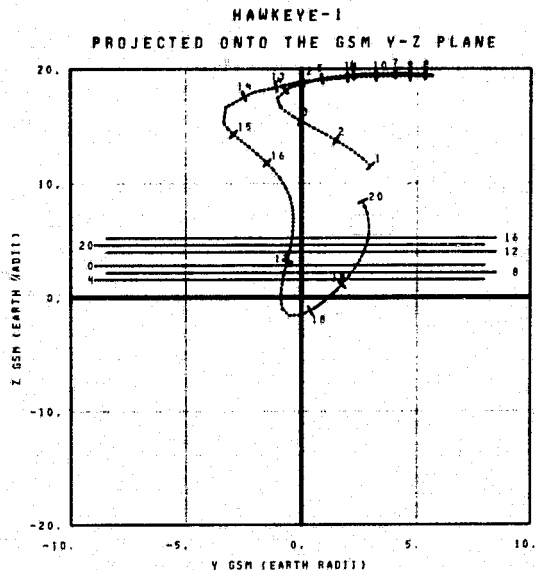




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/204/ 16.17H	LAT= 63.6	11- 1976/206/ 2.03H	LAT= 64.1
2- 1976/205/ 0.03H	LAT= 77.0	12- 1976/206/ 5.67H	LAT= 59.4
3- 1976/205/ 6.33H	LAT= 81.2	13- 1976/206/ 7.67H	LAT= 45.1
4- 1976/205/ 11.33H	LAT= 81.7	14- 1976/206/ 8.92H	LAT= 33.3
5- 1976/205/ 12.03H	LAT= 81.2	15- 1976/206/ 10.00H	LAT= 0.0
6- 1976/205/ 13.03H	LAT= 80.7	16- 1976/206/ 11.17H	LAT= -79.7
7- 1976/205/ 14.03H	LAT= 80.1	17- 1976/206/ 11.33H	LAT= -80.9
8- 1976/205/ 15.03H	LAT= 79.3	18- 1976/206/ 11.03H	LAT= -15.9
9- 1976/205/ 17.33H	LAT= 70.1	19- 1976/206/ 12.03H	LAT= 22.2
10- 1976/205/ 19.03H	LAT= 75.5	20- 1976/206/ 14.67H	LAT= 55.1

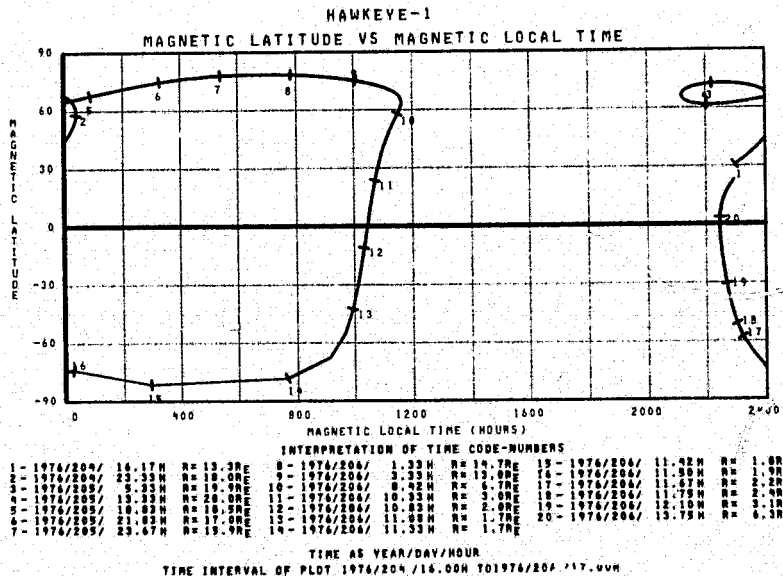
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/204/16.00H TO 1976/206/17.00H

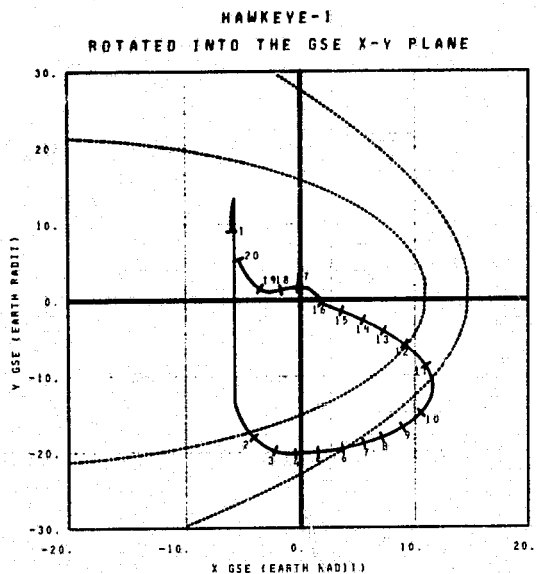


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/204/ 16.17H	R= 13.3RE	11- 1976/205/ 15.03H	R= 19.5RE
2- 1976/204/ 18.17H	R= 14.9RE	12- 1976/205/ 17.33H	R= 19.0RE
3- 1976/204/ 20.17H	R= 14.3RE	13- 1976/205/ 18.33H	R= 18.7RE
4- 1976/205/ 0.03H	R= 18.7RE	14- 1976/205/ 19.03H	R= 18.0RE
5- 1976/205/ 3.33H	R= 19.5RE	15- 1976/206/ 0.67H	R= 15.2RE
6- 1976/205/ 4.03H	R= 19.8RE	16- 1976/206/ 3.50H	R= 12.9RE
7- 1976/205/ 6.03H	R= 20.1RE	17- 1976/206/ 9.17H	R= 5.4RE
8- 1976/205/ 8.03H	R= 20.3RE	18- 1976/206/ 11.75H	R= 2.4RE
9- 1976/205/ 13.33H	R= 20.0RE	19- 1976/206/ 12.03H	R= 4.6RE
10- 1976/205/ 14.03H	R= 19.7RE	20- 1976/206/ 14.03H	R= 10.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/204/16.00H TO 1976/206/17.00H

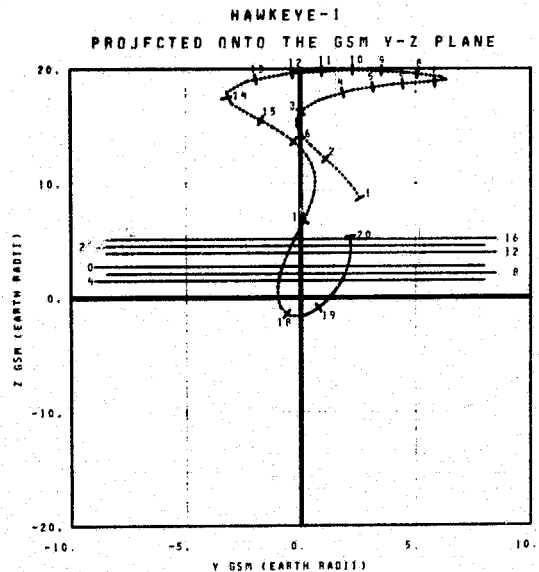




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/206/ 17.00H	LAT= 56.4	11- 1976/208/ 5.50H	LAT= 65.5
2- 1976/207/ 3.67H	LAT= 76.6	12- 1976/208/ 8.67H	LAT= 56.5
3- 1976/207/ 9.17H	LAT= 80.9	13- 1976/208/ 10.58H	LAT= 97.3
4- 1976/207/ 14.17H	LAT= 81.8	14- 1976/208/ 12.00H	LAT= 35.0
5- 1976/207/ 14.17H	LAT= 81.2	15- 1976/208/ 13.17H	LAT= 13.1
6- 1976/207/ 17.17H	LAT= 80.7	16- 1976/208/ 14.17H	LAT= -51.8
7- 1976/207/ 18.17H	LAT= 80.0	17- 1976/208/ 14.50H	LAT= -74.9
8- 1976/207/ 19.17H	LAT= 79.3	18- 1976/208/ 14.88H	LAT= -28.7
9- 1976/207/ 20.67H	LAT= 78.0	19- 1976/208/ 15.67H	LAT= 12.8
10- 1976/207/ 22.67H	LAT= 76.0	20- 1976/208/ 17.75H	LAT= 43.5

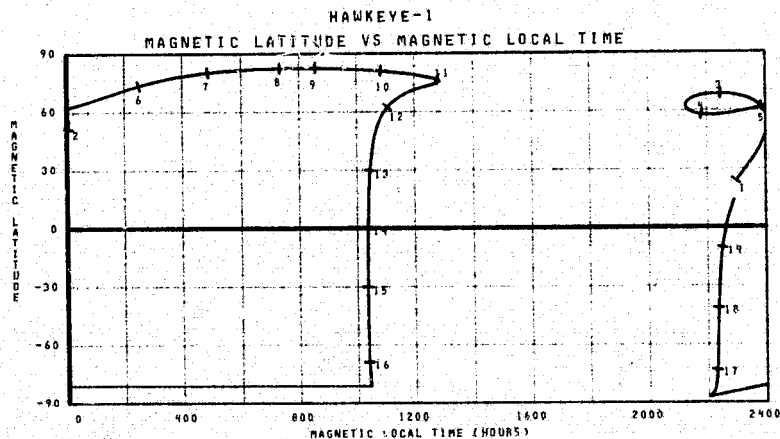
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/206/17.00H TO 1976/208/18.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/206/ 17.00H	R= 10.8RE	11- 1976/207/ 17.17H	R= 19.9RE
2- 1976/206/ 19.67H	R= 13.5RE	12- 1976/207/ 18.17H	R= 19.7RE
3- 1976/207/ 8.50H	R= 17.0RE	13- 1976/207/ 19.67H	R= 19.3RE
4- 1976/207/ 3.67H	R= 18.5RE	14- 1976/207/ 23.17H	R= 18.0RE
5- 1976/207/ 9.17H	R= 19.0RE	15- 1976/208/ 2.67H	R= 16.1RE
6- 1976/207/ 4.67H	R= 19.5RE	16- 1976/208/ 5.00H	R= 14.4RE
7- 1976/207/ 8.67H	R= 19.9RE	17- 1976/208/ 10.58H	R= 8.3RE
8- 1976/207/ 13.67H	R= 20.3RE	18- 1976/208/ 14.25H	R= 1.8RE
9- 1976/207/ 15.17H	R= 20.2RE	19- 1976/208/ 15.10H	R= 2.6RE
10- 1976/207/ 14.17H	R= 20.0RE	20- 1976/208/ 18.00H	R= 8.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/206/17.00H TO 1976/208/18.00H



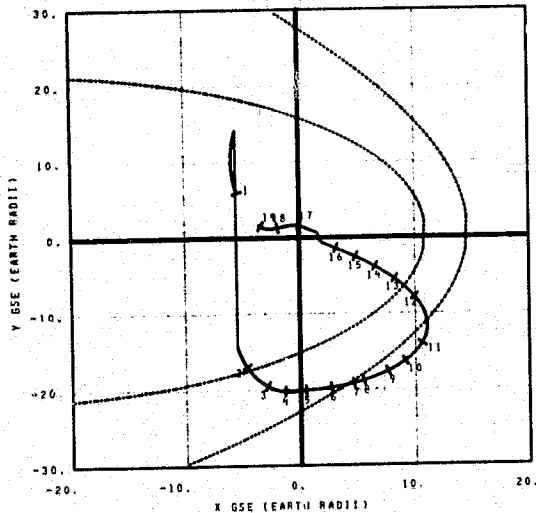
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/206/ 17.00H	R= 10.8RE	8- 1976/208/ 2.17H	R= 16.4RE	15- 1976/208/ 14.25H	R= 1.8RE
2- 1976/206/ 22.83H	R= 14.0RE	9- 1976/208/ 2.83H	R= 16.0RE	16- 1976/208/ 14.50H	R= 1.7RE
3- 1976/207/ 4.67H	R= 18.7RE	10- 1976/208/ 4.33H	R= 14.9RE	17- 1976/208/ 14.78H	R= 2.0RE
4- 1976/207/ 12.67H	R= 20.3RE	11- 1976/208/ 7.50H	R= 12.1RE	18- 1976/208/ 15.18H	R= 2.8RE
5- 1976/207/ 11.67H	R= 19.0RE	12- 1976/208/ 12.25H	R= 5.6RE	19- 1976/208/ 16.10H	R= 3.7RE
6- 1976/207/ 22.17H	R= 18.4RE	13- 1976/208/ 13.58H	R= 3.0RE		
7- 1976/208/ 0.67H	R= 17.3RE	14- 1976/208/ 14.00H	R= 2.1RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/206/17.00H TO 1976/208/18.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/208/ 18.00H LAT= 45.9	11- 1976/210/ 3.33H LAT= 74.4
2- 1976/209/ 9.03H LAT= 74.2	12- 1976/210/ 10.17H LAT= 62.0
3- 1976/209/ 10.03H LAT= 80.0	13- 1976/210/ 12.67H LAT= 53.4
4- 1976/209/ 15.33H LAT= 81.9	14- 1976/210/ 14.33H LAT= 43.6
5- 1976/209/ 19.33H LAT= 81.2	15- 1976/210/ 15.58H LAT= 30.2
6- 1976/209/ 20.33H LAT= 80.7	16- 1976/210/ 16.58H LAT= 9.4
7- 1976/209/ 21.33H LAT= 80.1	17- 1976/210/ 17.67H LAT= -80.2
8- 1976/209/ 21.03H LAT= 79.8	18- 1976/210/ 18.17H LAT= -22.5
9- 1976/209/ 23.33H LAT= 78.4	19- 1976/210/ 18.85H LAT= 12.0
10- 1976/210/ 0.03H LAT= 77.2	

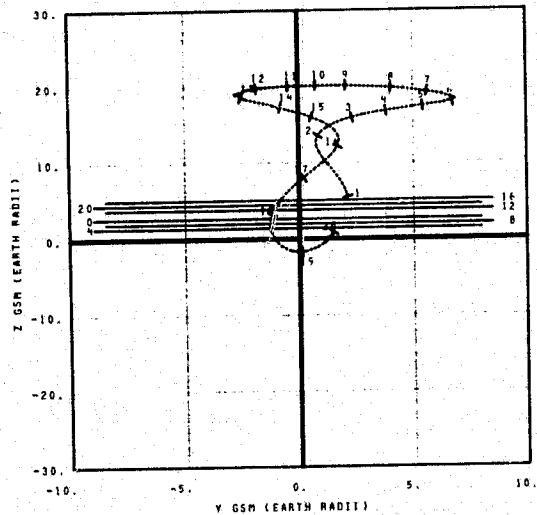
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/208/18.00H TO 1976/210/19.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/208/ 18.00H R= 0.1RE	11- 1976/209/ 10.03H R= 20.1RE
2- 1976/209/ 9.03H R= 14.8RE	12- 1976/209/ 20.33H R= 19.4RE
3- 1976/209/ 10.03H R= 16.9RE	13- 1976/210/ 0.33H R= 18.6RE
4- 1976/209/ 15.33H R= 17.0RE	14- 1976/210/ 3.33H R= 17.5RE
5- 1976/209/ 19.33H R= 18.7RE	15- 1976/210/ 5.33H R= 16.4RE
6- 1976/209/ 20.33H R= 19.5RE	16- 1976/210/ 9.67H R= 13.1RE
7- 1976/209/ 21.03H R= 20.2RE	17- 1976/210/ 13.00H R= 9.4RE
8- 1976/209/ 21.33H R= 20.3RE	18- 1976/210/ 15.58H R= 5.4RE
9- 1976/209/ 23.33H R= 20.3RE	19- 1976/210/ 17.75H R= 1.7RE
10- 1976/209/ 17.03H R= 20.2RE	20- 1976/210/ 18.98H R= 4.1RE

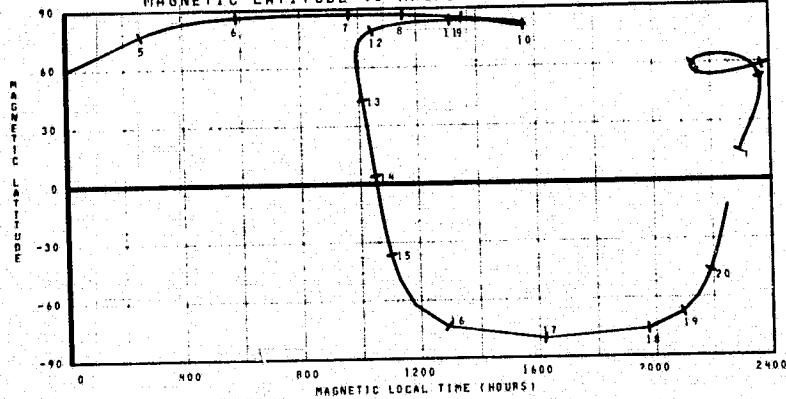
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/208/18.00H TO 1976/210/19.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



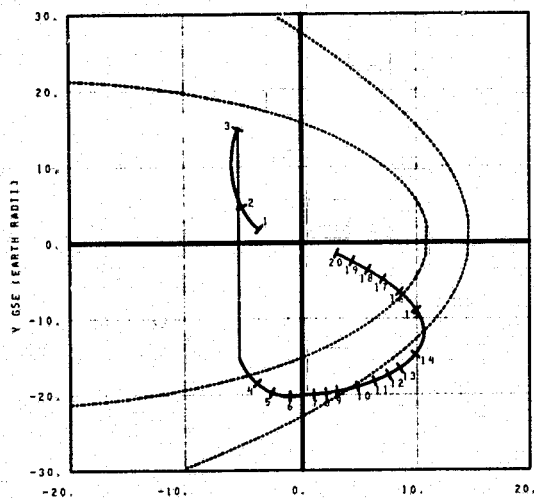
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/208/ 18.00H R= 0.1RE	8- 1976/210/ 4.33H R= 17.0RE	15- 1976/210/ 17.50H R= 1.7RE
2- 1976/209/ 9.03H R= 14.8RE	9- 1976/210/ 5.33H R= 16.4RE	16- 1976/210/ 17.75H R= 1.7RE
3- 1976/209/ 10.03H R= 16.9RE	10- 1976/210/ 9.17H R= 13.0RE	17- 1976/210/ 17.03H R= 1.0RE
4- 1976/209/ 15.33H R= 17.0RE	11- 1976/210/ 12.03H R= 9.6RE	18- 1976/210/ 15.58H R= 5.4RE
5- 1976/209/ 19.33H R= 18.7RE	12- 1976/210/ 14.25H R= 7.7RE	19- 1976/210/ 18.00H R= 2.0RE
6- 1976/209/ 20.33H R= 19.5RE	13- 1976/210/ 16.50H R= 3.6RE	20- 1976/210/ 18.25H R= 2.5RE
7- 1976/210/ 0.03H R= 17.3RE	14- 1976/210/ 17.17H R= 2.2RE	

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/208/18.00H TO 1976/210/19.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

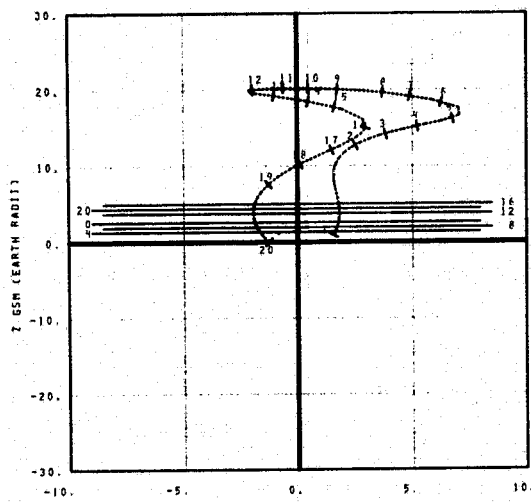
1 - 1976/210/ 19.00H	LAT= 16.3	11 - 1976/212/ 2.17H	LAT= 78.9
2 - 1976/210/ 20.50H	LAT= 40.3	12 - 1976/212/ 3.17H	LAT= 78.1
3 - 1976/211/ 5.17H	LAT= 76.0	13 - 1976/212/ 4.17H	LAT= 77.1
4 - 1976/211/ 11.17H	LAT= 77.6	14 - 1976/212/ 5.17H	LAT= 76.9
5 - 1976/211/ 15.17H	LAT= 40.6	15 - 1976/212/ 12.67H	LAT= 43.9
6 - 1976/211/ 19.67H	LAT= 61.9	16 - 1976/212/ 15.17H	LAT= 56.5
7 - 1976/211/ 23.17H	LAT= 61.0	17 - 1976/212/ 16.03H	LAT= 40.6
8 - 1976/211/ 23.67H	LAT= 80.7	18 - 1976/212/ 18.00H	LAT= 39.8
9 - 1976/212/ 0.17H	LAT= 80.4	19 - 1976/212/ 19.00H	LAT= 27.0
10 - 1976/212/ 1.17H	LAT= 79.7	20 - 1976/212/ 19.03H	LAT= 5.2

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/210/19.00H TO 1976/212/20.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/210/ 19.00H	R= 4.1RE	11 - 1976/211/ 19.67H	R= 20.3RE
2 - 1976/211/ 2.03H	R= 19.2RE	12 - 1976/211/ 21.67H	R= 20.2RE
3 - 1976/211/ 4.03H	R= 15.7RE	13 - 1976/212/ 2.17H	R= 19.3RE
4 - 1976/211/ 6.67H	R= 16.9RE	14 - 1976/212/ 4.17H	R= 18.6RE
5 - 1976/211/ 9.17H	R= 18.1RE	15 - 1976/212/ 5.67H	R= 18.0RE
6 - 1976/211/ 13.67H	R= 19.4RE	16 - 1976/212/ 9.67H	R= 15.7RE
7 - 1976/211/ 15.17H	R= 19.9RE	17 - 1976/212/ 13.00H	R= 13.0RE
8 - 1976/211/ 16.17H	R= 20.1RE	18 - 1976/212/ 14.67H	R= 11.3RE
9 - 1976/211/ 17.67H	R= 20.2RE	19 - 1976/212/ 16.50H	R= 9.0RE
10 - 1976/211/ 18.67H	R= 20.3RE	20 - 1976/212/ 20.00H	R= 3.0RE

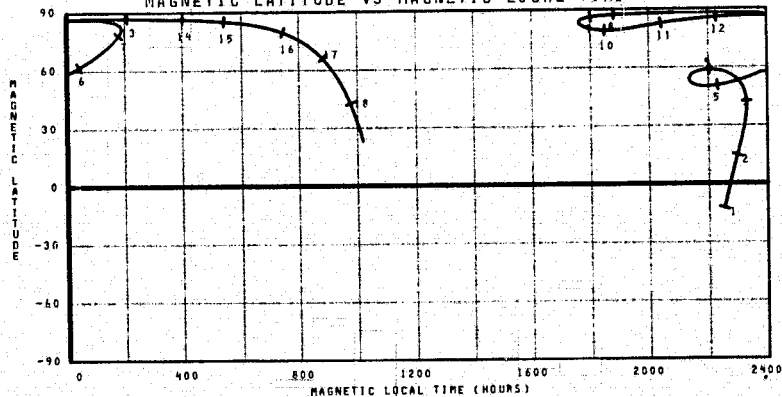
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/210/19.00H TO 1976/212/20.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

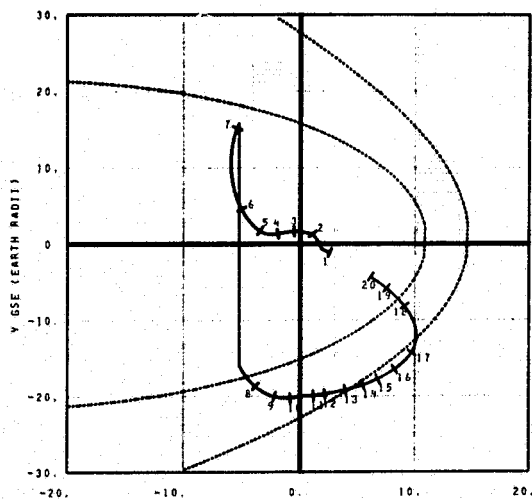
1 - 1976/210/ 19.00H	R= 4.1RE	11 - 1976/212/ 19.03H	R= 9.9RE
2 - 1976/210/ 20.50H	R= 4.9RE	12 - 1976/212/ 19.03H	R= 8.6RE
3 - 1976/210/ 23.03H	R= 11.3RE	13 - 1976/212/ 19.03H	R= 4.0RE
4 - 1976/211/ 5.17H	R= 15.9RE	14 - 1976/212/ 19.03H	R= 4.0RE
5 - 1976/211/ 14.67H	R= 19.0RE	15 - 1976/212/ 19.03H	R= 4.0RE
6 - 1976/211/ 20.17H	R= 20.3RE	16 - 1976/212/ 19.03H	R= 4.0RE
7 - 1976/212/ 0.67H	R= 19.7RE	17 - 1976/212/ 19.03H	R= 4.0RE
8 - 1976/212/ 0.67H	R= 19.7RE	18 - 1976/212/ 19.03H	R= 4.0RE
9 - 1976/212/ 0.67H	R= 19.7RE	19 - 1976/212/ 19.03H	R= 4.0RE
10 - 1976/212/ 0.67H	R= 19.7RE	20 - 1976/212/ 19.03H	R= 4.0RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/210/19.00H TO 1976/212/20.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/212/ 20.00H	LAT= -6.7	11- 1976/214/ 2.03H	LAT= 80.7
2- 1976/212/ 20.03H	LAT= -81.7	12- 1976/214/ 3.33H	LAT= 89.9
3- 1976/212/ 21.00H	LAT= -64.7	13- 1976/214/ 4.33H	LAT= 79.8
4- 1976/212/ 21.40H	LAT= -20.8	14- 1976/214/ 5.33H	LAT= 79.0
5- 1976/212/ 22.10H	LAT= 13.1	15- 1976/214/ 6.33H	LAT= 78.1
6- 1976/212/ 23.47H	LAT= 39.1	16- 1976/214/ 7.03H	LAT= 76.7
7- 1976/213/ 0.67H	LAT= 70.5	17- 1976/214/ 10.33H	LAT= 73.7
8- 1976/213/ 14.03H	LAT= 77.9	18- 1976/214/ 17.00H	LAT= 61.0
9- 1976/213/ 19.03H	LAT= 81.3	19- 1976/214/ 19.33H	LAT= 52.5
10- 1976/213/ 23.03H	LAT= 81.0	20- 1976/214/ 20.75H	LAT= 43.9

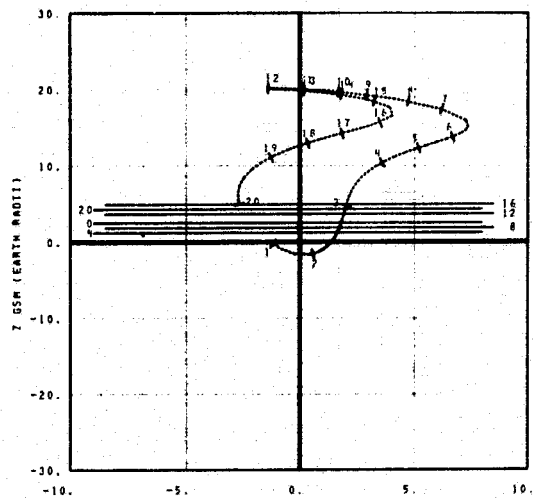
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/212/20.00H TO 1976/214/21.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/212/ 20.00H	R= 2.0RE	11- 1976/213/ 19.03H	R= 20.1RE
2- 1976/212/ 21.00H	R= 1.0RE	12- 1976/213/ 22.33H	R= 20.3RE
3- 1976/212/ 24.00H	R= 7.3RE	13- 1976/214/ 2.03H	R= 19.9RE
4- 1976/213/ 0.17H	R= 12.5RE	14- 1976/214/ 4.03H	R= 19.4RE
5- 1976/213/ 6.50H	R= 19.6RE	15- 1976/214/ 6.03H	R= 16.0RE
6- 1976/213/ 8.03H	R= 16.2RE	16- 1976/214/ 11.03H	R= 16.4RE
7- 1976/213/ 14.33H	R= 18.9RE	17- 1976/214/ 14.00H	R= 14.9RE
8- 1976/213/ 15.03H	R= 19.4RE	18- 1976/214/ 15.50H	R= 13.6RE
9- 1976/213/ 17.33H	R= 19.7RE	19- 1976/214/ 17.17H	R= 12.1RE
10- 1976/213/ 18.33H	R= 19.4RE	20- 1976/214/ 21.00H	R= 7.2RE

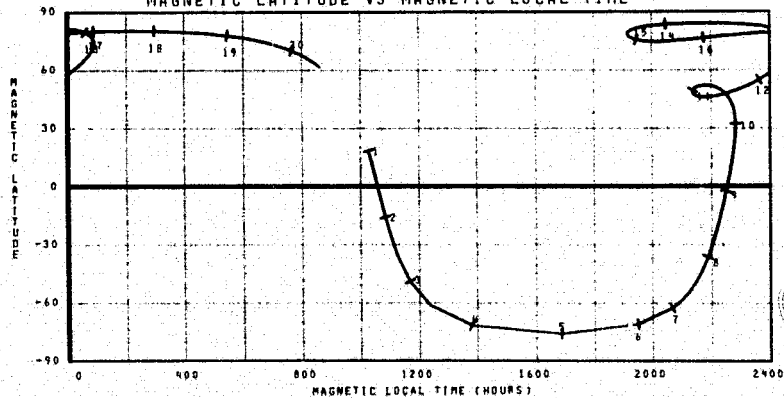
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADI

TIME INTERVAL OF PLOT 1976/212/20.00H TO 1976/214/21.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

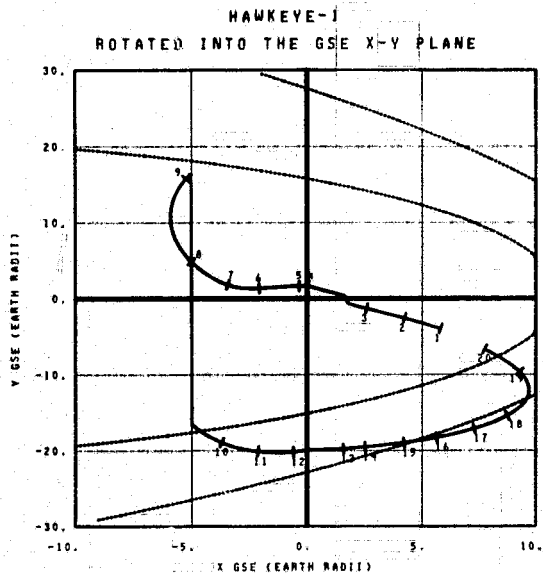


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/212/ 20.00H	R= 2.0RE	8- 1976/212/ 21.47H	R= 2.5RE	15- 1976/214/ 9.33H	R= 17.0RE
2- 1976/212/ 20.50H	R= 2.0RE	9- 1976/212/ 22.22H	R= 4.1RE	16- 1976/214/ 13.03H	R= 19.0RE
3- 1976/212/ 20.52H	R= 1.7RE	10- 1976/213/ 0.50H	R= 8.1RE	17- 1976/214/ 13.03H	R= 18.9RE
4- 1976/212/ 20.52H	R= 1.7RE	11- 1976/213/ 8.03H	R= 16.2RE	18- 1976/214/ 17.33H	R= 12.1RE
5- 1976/212/ 21.00H	R= 1.7RE	12- 1976/213/ 18.03H	R= 20.0RE	19- 1976/214/ 18.50H	R= 10.4RE
6- 1976/212/ 21.00H	R= 1.7RE	13- 1976/214/ 1.03H	R= 20.0RE	20- 1976/214/ 20.00H	R= 6.7RE
7- 1976/212/ 21.17H	R= 2.0RE	14- 1976/214/ 4.03H	R= 19.4RE		

TIME AS YEAR/DAY/HOUR

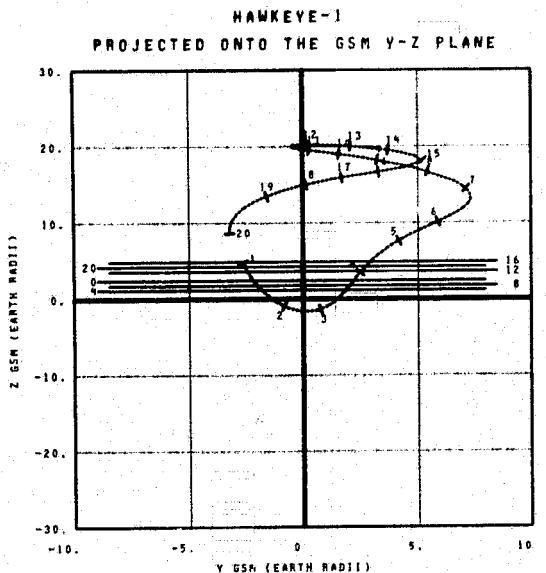
TIME INTERVAL OF PLOT 1976/212/20.00H TO 1976/214/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/214/ 21.00H	LAT= 41.1	11- 1976/215/ 23.67H	LAT= 01.5
2- 1976/214/ 22.25H	LAT= 26.4	12- 1976/216/ 0.17H	LAT= 01.6
3- 1976/214/ 23.25H	LAT= -9.1	13- 1976/216/ 0.67H	LAT= 00.4
4- 1976/215/ 0.00H	LAT= -61.0	14- 1976/216/ 7.17H	LAT= 00.1
5- 1976/215/ 0.17H	LAT= -71.2	15- 1976/216/ 0.17H	LAT= 79.3
6- 1976/215/ 0.67H	LAT= -16.8	16- 1976/216/ 9.17H	LAT= 78.5
7- 1976/215/ 1.33H	LAT= 13.7	17- 1976/216/ 10.67H	LAT= 77.1
8- 1976/215/ 3.00H	LAT= 40.2	18- 1976/216/ 12.67H	LAT= 74.9
9- 1976/215/ 12.67H	LAT= 71.6	19- 1976/216/ 10.00H	LAT= 64.2
10- 1976/215/ 18.67H	LAT= 78.5	20- 1976/216/ 22.00H	LAT= 54.9

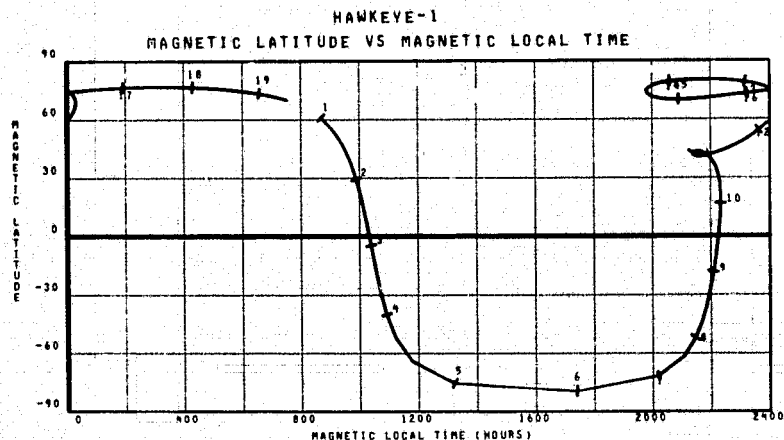
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/214/21.00H TO 1976/216/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/214/ 21.00H	R= 7.0RE	11- 1976/215/ 20.67H	R= 19.6RE
2- 1976/214/ 23.50H	R= 2.2RE	12- 1976/216/ 1.67H	R= 20.3RE
3- 1976/215/ 0.42H	R= 2.0RE	13- 1976/216/ 4.17H	R= 20.2RE
4- 1976/215/ 2.67H	R= 6.4RE	14- 1976/216/ 6.17H	R= 19.9RE
5- 1976/215/ 5.50H	R= 10.4RE	15- 1976/216/ 9.67H	R= 18.9RE
6- 1976/215/ 8.00H	R= 13.1RE	16- 1976/216/ 13.67H	R= 17.2RE
7- 1976/215/ 13.17H	R= 14.9RE	17- 1976/216/ 15.17H	R= 16.3RE
8- 1976/215/ 15.67H	R= 18.2RE	18- 1976/216/ 16.50H	R= 15.4RE
9- 1976/215/ 17.67H	R= 18.9RE	19- 1976/216/ 18.17H	R= 14.1RE
10- 1976/215/ 19.17H	R= 19.4RE	20- 1976/216/ 22.00H	R= 10.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/214/21.00H TO 1976/216/22.00H

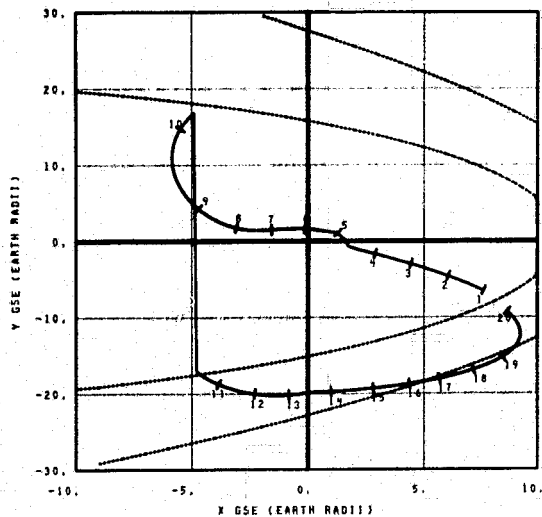


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/214/ 21.00H	R= 7.0RE	9- 1976/215/ 0.42H	R= 2.0RE	15- 1976/216/ 12.17H	R= 17.0RE
2- 1976/214/ 23.50H	R= 2.2RE	10- 1976/215/ 0.83H	R= 2.7RE	16- 1976/216/ 15.00H	R= 15.9RE
3- 1976/215/ 0.42H	R= 2.0RE	11- 1976/215/ 0.90H	R= 3.1RE	17- 1976/216/ 19.17H	R= 14.1RE
4- 1976/215/ 0.83H	R= 1.7RE	12- 1976/215/ 19.67H	R= 10.9RE	18- 1976/216/ 19.67H	R= 12.0RE
5- 1976/215/ 0.83H	R= 1.0RE	13- 1976/216/ 0.17H	R= 20.0RE	19- 1976/216/ 21.17H	R= 11.0RE
6- 1976/215/ 0.25H	R= 1.0RE				

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/214/21.00H TO 1976/216/22.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

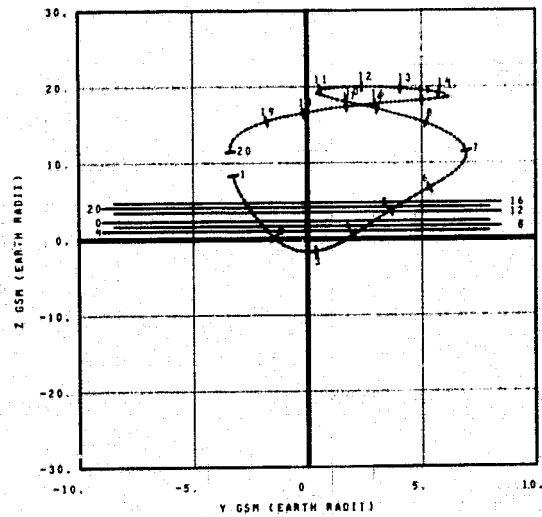


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/216/ 22.17H	LAT= 54.2	11 - 1976/217/ 21.50H	LAT= 78.1
2 - 1976/216/ 23.92H	LAT= 44.2	12 - 1976/218/ 2.50H	LAT= 81.9
3 - 1976/217/ 1.25H	LAT= 29.9	13 - 1976/218/ 7.00H	LAT= 81.7
4 - 1976/217/ 2.25H	LAT= 5.5	14 - 1976/218/ 10.00H	LAT= 80.4
5 - 1976/217/ 3.25H	LAT= -81.4	15 - 1976/218/ 11.00H	LAT= 79.7
6 - 1976/217/ 3.33H	LAT= -77.0	16 - 1976/218/ 12.00H	LAT= 78.9
7 - 1976/217/ 3.73H	LAT= -28.6	17 - 1976/218/ 13.00H	LAT= 78.0
8 - 1976/217/ 4.38H	LAT= 8.5	18 - 1976/218/ 15.50H	LAT= 78.5
9 - 1976/217/ 5.83H	LAT= 36.5	19 - 1976/218/ 16.50H	LAT= 74.2
10 - 1976/217/ 14.58H	LAT= 69.4	20 - 1976/218/ 23.00H	LAT= 62.3

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/216/22.00H TO 1976/218/23.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

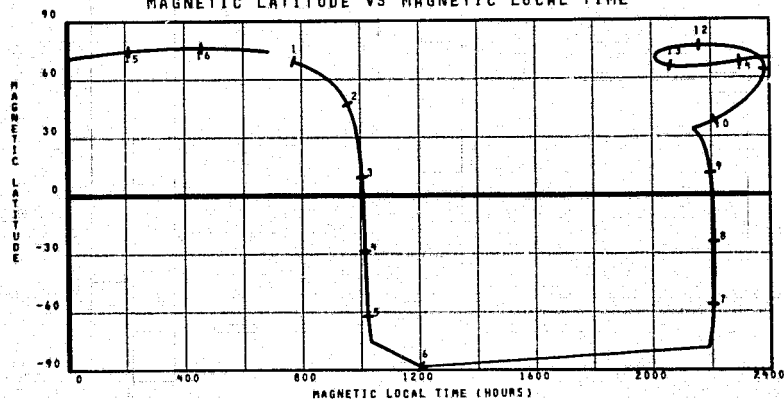


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/216/ 22.17H	R= 10.0RE	11 - 1976/218/ 0.50H	R= 19.9RE
2 - 1976/217/ 2.92H	R= 3.0RE	12 - 1976/218/ 3.50H	R= 20.2RE
3 - 1976/217/ 3.58H	R= 1.0RE	13 - 1976/218/ 5.50H	R= 20.2RE
4 - 1976/217/ 4.58H	R= 4.0RE	14 - 1976/218/ 8.00H	R= 26.1RE
5 - 1976/217/ 6.33H	R= 7.2RE	15 - 1976/218/ 13.00H	R= 18.9RE
6 - 1976/217/ 8.58H	R= 10.3RE	16 - 1976/218/ 15.00H	R= 18.1RE
7 - 1976/217/ 13.00H	R= 14.6RE	17 - 1976/218/ 16.00H	R= 17.6RE
8 - 1976/217/ 16.33H	R= 16.9RE	18 - 1976/218/ 17.50H	R= 16.0RE
9 - 1976/217/ 18.50H	R= 18.0RE	19 - 1976/218/ 19.00H	R= 15.9RE
10 - 1976/217/ 20.00H	R= 18.4RE	20 - 1976/218/ 23.00H	R= 12.6RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/216/22.00H TO 1976/218/23.00H

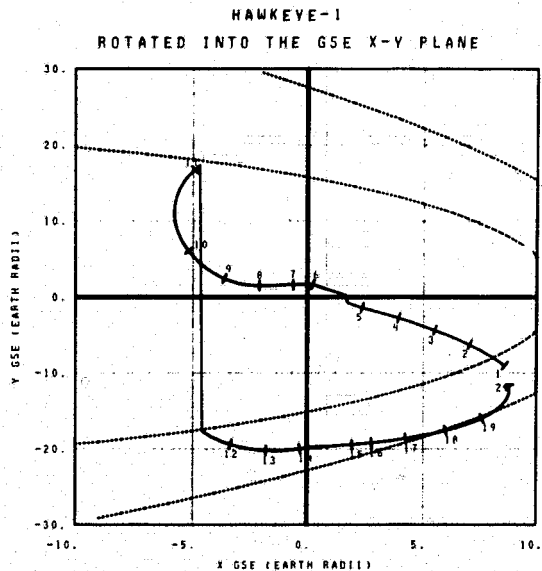
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/216/ 22.17H	R= 10.0RE	8 - 1976/217/ 3.95H	R= 2.6RE	15 - 1976/218/ 19.50H	R= 15.5RE
2 - 1976/217/ 2.92H	R= 3.0RE	9 - 1976/217/ 5.50H	R= 4.0RE	16 - 1976/218/ 21.50H	R= 14.1RE
3 - 1976/217/ 3.58H	R= 1.0RE	10 - 1976/217/ 15.33H	R= 16.3RE		
4 - 1976/217/ 4.58H	R= 4.0RE	11 - 1976/217/ 25.00H	R= 19.6RE		
5 - 1976/217/ 6.33H	R= 7.2RE	12 - 1976/218/ 2.50H	R= 20.2RE		
6 - 1976/217/ 8.58H	R= 10.3RE	13 - 1976/218/ 7.00H	R= 18.0RE		
7 - 1976/217/ 13.00H	R= 14.6RE	14 - 1976/218/ 11.00H	R= 19.5RE		
		15 - 1976/218/ 16.00H	R= 17.6RE		

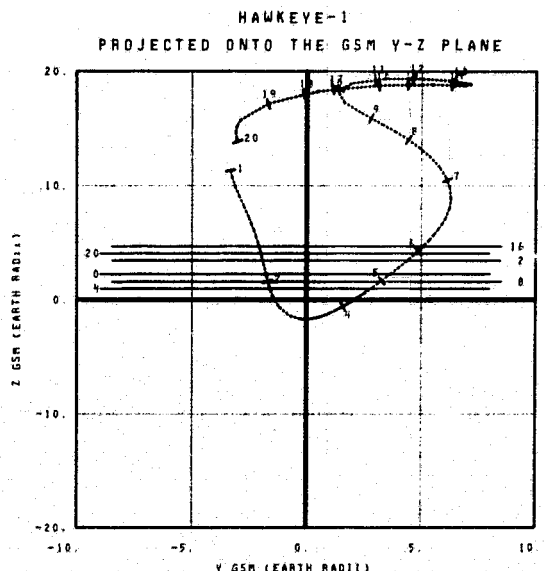
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/216/22.00H TO 1976/218/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/219/ 23.17H LAT= 41.0	11- 1976/219/ 29.67H LAT= 73.4
2- 1976/219/ 1.03H LAT= 52.1	12- 1976/220/ 2.67H LAT= 79.6
3- 1976/219/ 3.50H LAT= 41.2	13- 1976/220/ 7.67H LAT= 81.9
4- 1976/219/ 4.75H LAT= 24.9	14- 1976/220/ 12.17H LAT= 81.0
5- 1976/219/ 9.75H LAT= -8.7	15- 1976/220/ 14.17H LAT= 79.0
6- 1976/219/ 6.50H LAT= -81.2	16- 1976/220/ 14.67H LAT= 79.4
7- 1976/219/ 6.67H LAT= -60.1	17- 1976/220/ 15.67H LAT= 79.6
8- 1976/219/ 7.13H LAT= -13.0	18- 1976/220/ 17.17H LAT= 77.1
9- 1976/219/ 7.90H LAT= 19.5	19- 1976/220/ 19.17H LAT= 74.9
10- 1976/219/ 10.00H LAT= 45.2	20- 1976/220/ 24.00H LAT= 67.4

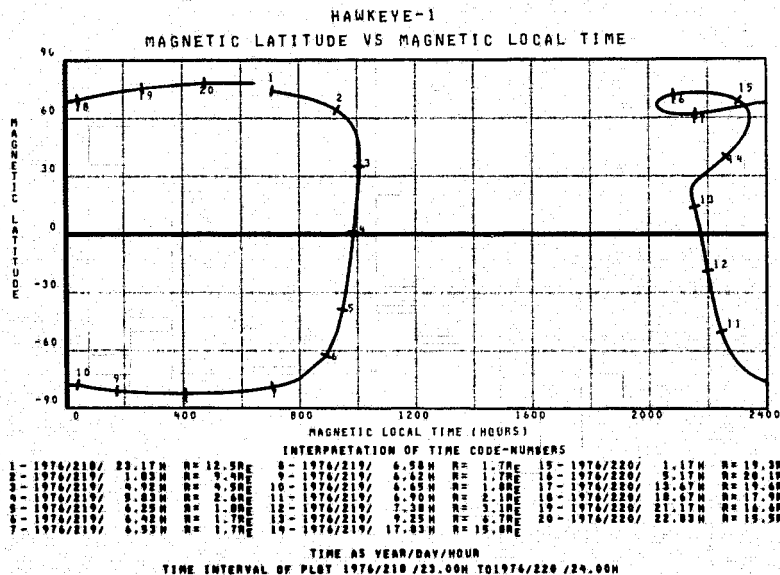
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/219/23.00H TO 1976/220/24.00H



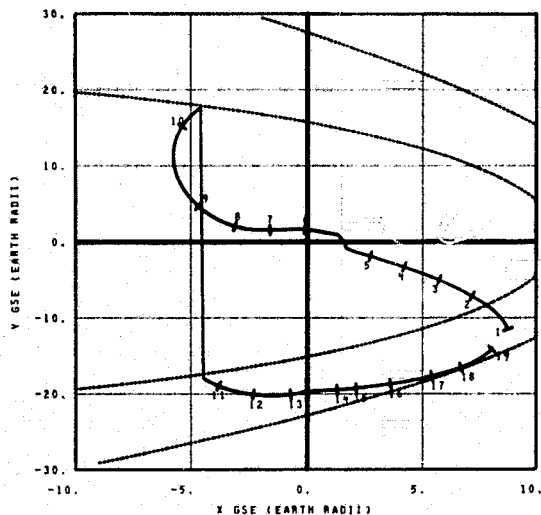
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/219/ 23.17H R= 12.9RE	11- 1976/220/ 3.17H R= 19.0RE
2- 1976/219/ 5.17H R= 4.0RE	12- 1976/220/ 5.17H R= 20.1RE
3- 1976/219/ 6.65H R= 1.0RE	13- 1976/220/ 7.67H R= 20.3RE
4- 1976/219/ 7.43H R= 3.2RE	14- 1976/220/ 12.67H R= 19.0RE
5- 1976/219/ 0.67H R= 5.7RE	15- 1976/220/ 14.67H R= 19.4RE
6- 1976/219/ 10.33H R= 8.4RE	16- 1976/220/ 15.67H R= 19.1RE
7- 1976/219/ 14.03H R= 13.9RE	17- 1976/220/ 17.17H R= 18.9RE
8- 1976/219/ 17.67H R= 15.7RE	18- 1976/220/ 18.17H R= 18.1RE
9- 1976/219/ 19.67H R= 16.9RE	19- 1976/220/ 19.67H R= 17.0RE
10- 1976/220/ 0.17H R= 19.0RE	20- 1976/220/ 24.00H R= 14.6RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/219/23.00H TO 1976/220/24.00H



HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

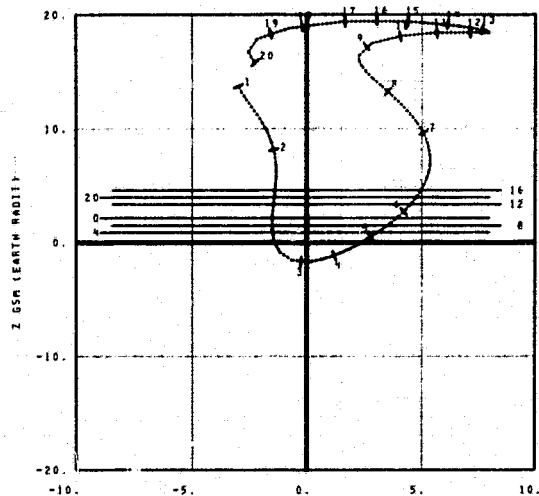


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/221/ 0.17H	LAT= 67.1	11-1976/222/ 9.50H	LAT= 78.5
2-1976/221/ 4.50H	LAT= 94.7	12-1976/222/ 9.50H	LAT= 81.5
3-1976/221/ 6.33H	LAT= 94.3	13-1976/222/ 14.50H	LAT= 81.9
4-1976/221/ 7.67H	LAT= 30.0	14-1976/222/ 17.50H	LAT= 79.7
5-1976/221/ 8.67H	LAT= 5.5	15-1976/222/ 18.00H	LAT= 79.3
6-1976/221/ 9.75H	LAT= -77.0	16-1976/222/ 19.00H	LAT= 78.9
7-1976/221/ 10.19H	LAT= -25.0	17-1976/222/ 20.50H	LAT= 77.1
8-1976/221/ 10.00H	LAT= 11.0	18-1976/222/ 22.00H	LAT= 75.4
9-1976/221/ 12.42H	LAT= 37.9	19-1976/223/ 0.03H	LAT= 71.4
10-1976/221/ 21.50H	LAT= 70.2		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/220/24.00H TO 1976/223/ 1.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

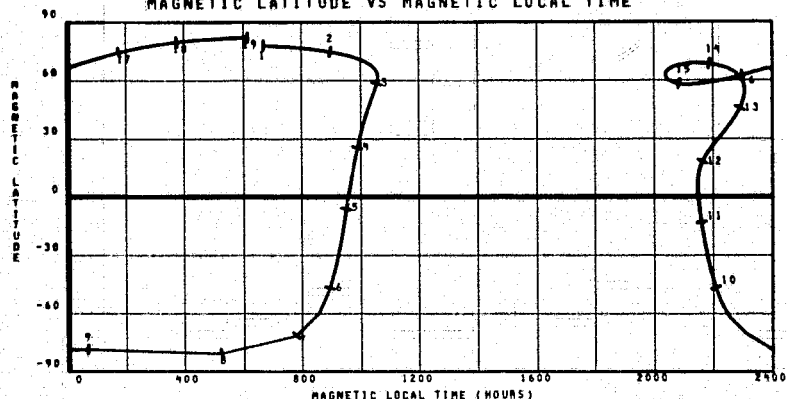


INTERPRETATION OF TIME CODE-NUMBERS

1-1976/221/ 0.17H	R= 14.9Re	11-1976/222/ 9.50H	R= 19.6Re
2-1976/221/ 4.50H	R= 9.3Re	12-1976/222/ 9.50H	R= 20.0Re
3-1976/221/ 6.33H	R= 1.7Re	13-1976/222/ 12.00H	R= 20.3Re
4-1976/221/ 7.67H	R= 2.6Re	14-1976/222/ 14.00H	R= 20.1Re
5-1976/221/ 8.67H	R= 4.7Re	15-1976/222/ 15.50H	R= 19.9Re
6-1976/221/ 9.75H	R= 6.9Re	16-1976/222/ 16.50H	R= 19.7Re
7-1976/221/ 10.03H	R= 12.3Re	17-1976/222/ 17.50H	R= 19.5Re
8-1976/221/ 10.67H	R= 14.0Re	18-1976/222/ 19.00H	R= 19.0Re
9-1976/221/ 1.00H	R= 10.0Re	19-1976/222/ 20.50H	R= 18.5Re
10-1976/222/ 3.50H	R= 19.0Re	20-1976/223/ 1.00H	R= 14.2Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/220/24.00H TO 1976/223/ 1.00H

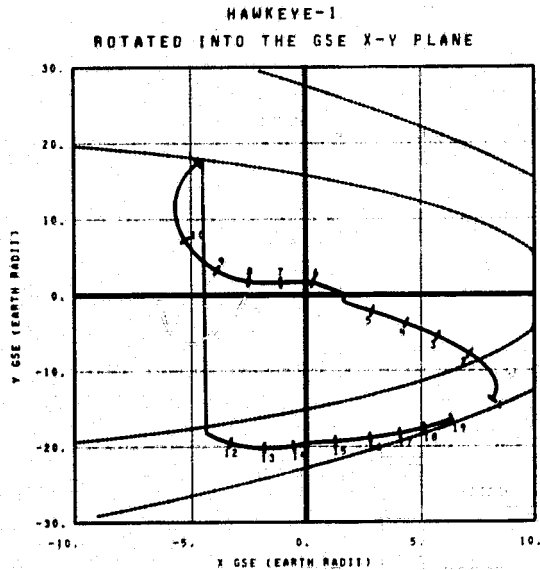
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1-1976/221/ 0.17H	R= 14.9Re	6-1976/221/ 9.03H	R= 1.7Re	15-1976/222/ 11.50H	R= 20.3Re
2-1976/221/ 4.50H	R= 9.3Re	7-1976/221/ 9.92H	R= 1.4Re	16-1976/222/ 13.00H	R= 19.4Re
3-1976/221/ 6.33H	R= 7.6Re	8-1976/221/ 10.27H	R= 2.4Re	17-1976/222/ 21.50H	R= 10.1Re
4-1976/221/ 7.67H	R= 2.6Re	9-1976/221/ 11.00H	R= 4.2Re	18-1976/222/ 23.50H	R= 17.1Re
5-1976/221/ 8.67H	R= 4.7Re	10-1976/221/ 14.02H	R= 1.0Re	19-1976/223/ 1.00H	R= 14.2Re
6-1976/221/ 9.75H	R= 6.9Re	11-1976/221/ 20.50H	R= 19.4Re		
7-1976/221/ 10.03H	R= 12.3Re	12-1976/222/ 3.00H	R= 10.0Re		

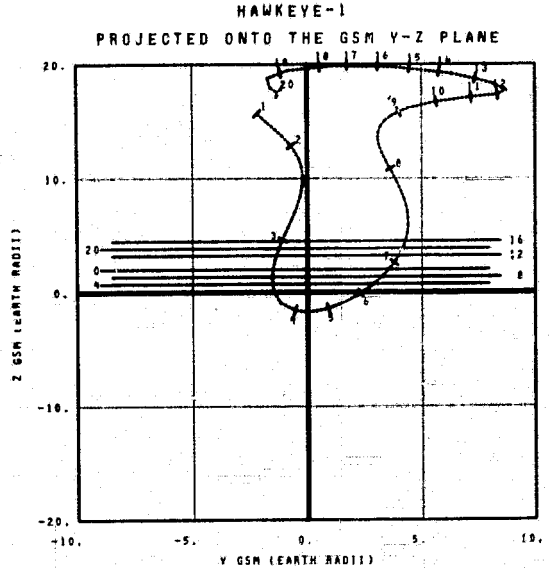
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/220/24.00H TO 1976/223/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/223/ 1.17H LAT= 71.1	11- 1976/224/ 4.17H LAT= 79.8
2- 1976/223/ 7.33H LAT= 56.3	12- 1976/224/ 9.67H LAT= 79.9
3- 1976/223/ 9.33H LAT= 46.0	13- 1976/224/ 14.67H LAT= 81.9
4- 1976/223/ 10.67H LAT= 33.1	14- 1976/224/ 18.67H LAT= 81.0
5- 1976/223/ 11.75H LAT= 18.2	15- 1976/224/ 21.17H LAT= 79.4
6- 1976/223/ 12.92H LAT= -81.1	16- 1976/224/ 22.17H LAT= 78.6
7- 1976/223/ 13.23H LAT= -81.3	17- 1976/224/ 23.17H LAT= 77.7
8- 1976/223/ 13.77H LAT= -1.4	18- 1976/225/ 0.17H LAT= 76.6
9- 1976/223/ 14.75H LAT= 26.4	19- 1976/225/ 1.67H LAT= 74.9
10- 1976/223/ 17.17H LAT= 49.2	

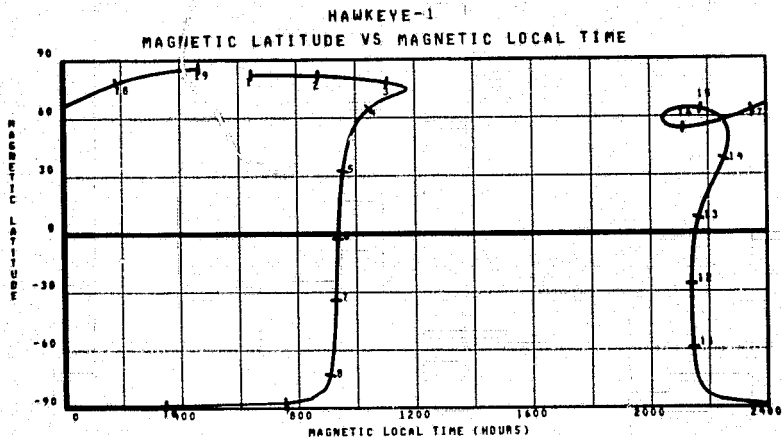
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/223/ 1.00H TO 1976/225/ 2.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/223/ 1.17H R= 16.19E	11- 1976/224/ 4.67H R= 19.08E
2- 1976/223/ 4.67H R= 13.38E	12- 1976/224/ 9.67H R= 19.48E
3- 1976/223/ 10.50H R= 6.09E	13- 1976/224/ 13.67H R= 20.30E
4- 1976/223/ 12.92H R= 1.78E	14- 1976/224/ 19.17H R= 20.30E
5- 1976/223/ 13.47H R= 2.40E	15- 1976/224/ 19.17H R= 20.30E
6- 1976/223/ 14.18H R= 3.98E	16- 1976/224/ 17.17H R= 20.10E
7- 1976/223/ 15.50H R= 6.48E	17- 1976/224/ 18.17H R= 20.60E
8- 1976/223/ 20.50H R= 12.00E	18- 1976/224/ 19.17H R= 19.08E
9- 1976/224/ 2.33H R= 17.10E	19- 1976/224/ 21.17H R= 19.48E
10- 1976/224/ 4.67H R= 18.20E	20- 1976/225/ 1.67H R= 17.48E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/223/ 1.00H TO 1976/225/ 2.00H



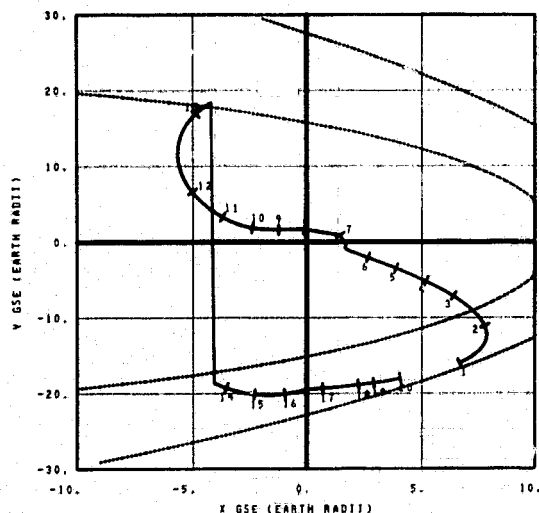
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/223/ 1.17H R= 16.19E	11- 1976/224/ 4.67H R= 19.08E
2- 1976/223/ 4.67H R= 13.38E	12- 1976/224/ 9.67H R= 19.48E
3- 1976/223/ 10.50H R= 6.09E	13- 1976/224/ 13.67H R= 20.30E
4- 1976/223/ 12.92H R= 1.78E	14- 1976/224/ 19.17H R= 20.30E
5- 1976/223/ 13.47H R= 2.40E	15- 1976/224/ 19.17H R= 20.30E
6- 1976/223/ 14.18H R= 3.98E	16- 1976/224/ 17.17H R= 20.10E
7- 1976/223/ 15.50H R= 6.48E	17- 1976/224/ 18.17H R= 20.60E
8- 1976/223/ 20.50H R= 12.00E	18- 1976/224/ 19.17H R= 19.08E
9- 1976/224/ 2.33H R= 17.10E	19- 1976/224/ 21.17H R= 19.48E
10- 1976/224/ 4.67H R= 18.20E	20- 1976/225/ 1.67H R= 17.48E

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/223/ 1.00H TO 1976/225/ 2.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/225/ 2.17H	LAT= 74.3	11- 1976/225/ 17.92H	LAT= 25.4
2- 1976/225/ 7.67H	LAT= 64.9	12- 1976/225/ 19.92H	LAT= 46.4
3- 1976/225/ 11.33H	LAT= 53.0	13- 1976/226/ 6.50H	LAT= 73.7
4- 1976/225/ 12.92H	LAT= 43.2	14- 1976/226/ 12.00H	LAT= 79.2
5- 1976/225/ 14.17H	LAT= 28.9	15- 1976/226/ 16.50H	LAT= 81.4
6- 1976/225/ 15.00H	LAT= 9.7	16- 1976/226/ 21.00H	LAT= 81.4
7- 1976/225/ 16.00H	LAT= -81.4	17- 1976/227/ 0.50H	LAT= 79.3
8- 1976/225/ 16.17H	LAT= -76.9	18- 1976/227/ 1.50H	LAT= 70.5
9- 1976/225/ 16.50H	LAT= -35.0	19- 1976/227/ 2.00H	LAT= 70.1
10- 1976/225/ 16.98H	LAT= -1.2	20- 1976/227/ 3.00H	LAT= 77.1

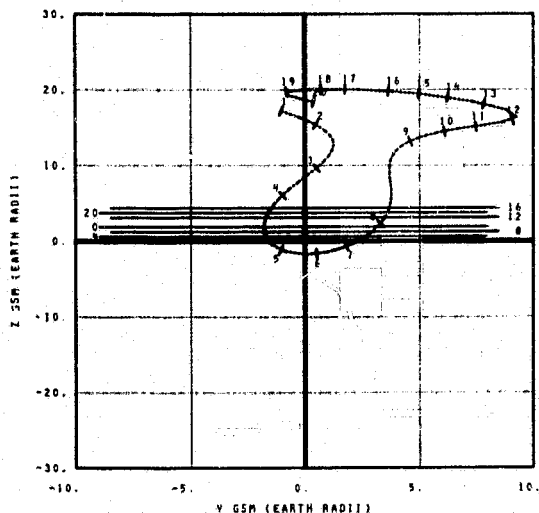
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEG/DEG

TIME INTERVAL OF PLOT 1976/225/ 2.00H TO 1976/227/ 3.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/225/ 2.17H	R= 17.4R _E	11- 1976/226/ 6.50H	R= 17.4R _E
2- 1976/225/ 7.67H	R= 15.4R _E	12- 1976/226/ 9.50H	R= 18.0R _E
3- 1976/225/ 10.67H	R= 10.4R _E	13- 1976/226/ 14.00H	R= 20.0R _E
4- 1976/225/ 13.00H	R= 7.3R _E	14- 1976/226/ 17.50H	R= 20.2R _E
5- 1976/225/ 15.83H	R= 1.9R _E	15- 1976/226/ 16.50H	R= 20.3R _E
6- 1976/225/ 16.42H	R= 3.1R _E	16- 1976/226/ 17.50H	R= 20.3R _E
7- 1976/225/ 16.98H	R= 3.1R _E	17- 1976/226/ 19.00H	R= 20.2R _E
8- 1976/225/ 16.33H	R= 3.6R _E	18- 1976/226/ 20.00H	R= 20.2R _E
9- 1976/226/ 2.33H	R= 19.0R _E	19- 1976/226/ 22.50H	R= 19.0R _E
10- 1976/226/ 4.67H	R= 16.6R _E	20- 1976/227/ 3.00H	R= 19.5R _E

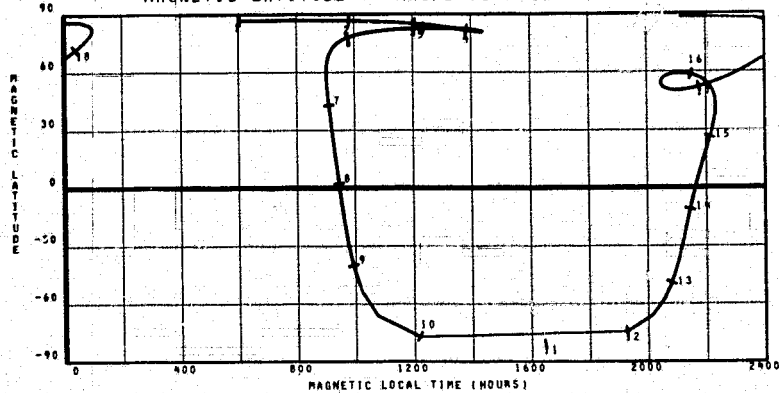
TIME AS YEAR/DAY/HOUR

R IS RECENTRIC DISTANCE IN EARTH RADIUS

TIME INTERVAL OF PLOT 1976/225/ 2.00H TO 1976/227/ 3.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

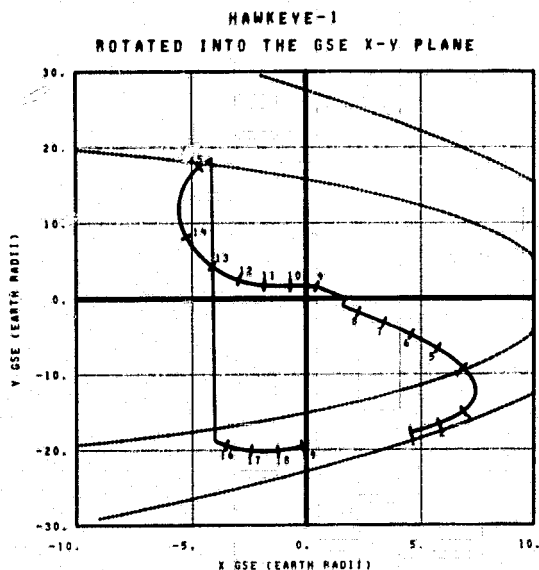


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/225/ 2.17H	R= 17.4R _E	11- 1976/226/ 15.67H	R= 2.1R _E	15- 1976/226/ 20.33H	R= 8.9R _E
2- 1976/225/ 7.17H	R= 16.0R _E	12- 1976/226/ 16.00H	R= 1.7R _E	16- 1976/226/ 3.00H	R= 19.7R _E
3- 1976/225/ 9.33H	R= 16.6R _E	13- 1976/226/ 16.25H	R= 1.7R _E	17- 1976/226/ 15.00H	R= 20.1R _E
4- 1976/225/ 10.33H	R= 16.6R _E	14- 1976/226/ 16.33H	R= 1.0R _E	18- 1976/226/ 22.00H	R= 19.0R _E
5- 1976/225/ 11.33H	R= 9.6R _E	15- 1976/226/ 16.42H	R= 2.0R _E		
6- 1976/225/ 12.00H	R= 7.0R _E	16- 1976/226/ 16.70H	R= 2.5R _E		
7- 1976/225/ 15.00H	R= 3.0R _E	17- 1976/226/ 17.50H	R= 4.5R _E		

TIME AS YEAR/DAY/HOUR

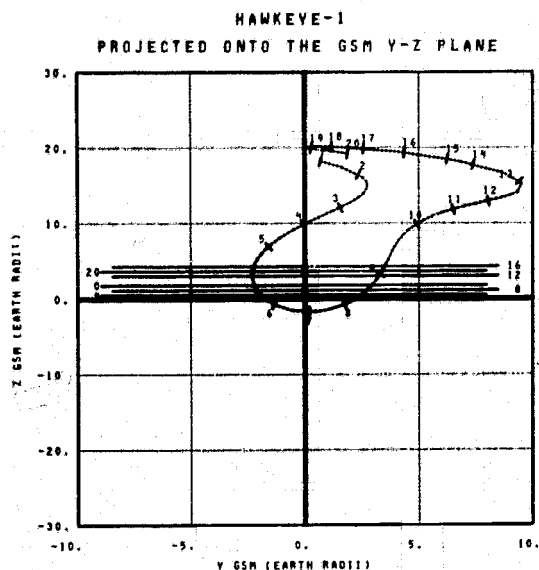
TIME INTERVAL OF PLOT 1976/225/ 2.00H TO 1976/227/ 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/227/ 3.50H	LAT= 74.6	11- 1976/227/ 19.95H	LAT= -14.9
2- 1976/227/ 5.00H	LAT= 74.0	12- 1976/227/ 20.55H	LAT= 12.3
3- 1976/227/ 7.00H	LAT= 72.1	13- 1976/227/ 21.67H	LAT= 33.4
4- 1976/227/ 13.00H	LAT= 59.1	14- 1976/228/ 0.17H	LAT= 92.0
5- 1976/227/ 15.17H	LAT= 49.0	15- 1976/228/ 10.67H	LAT= 74.0
6- 1976/227/ 16.50H	LAT= 39.1	16- 1976/228/ 15.67H	LAT= 79.5
7- 1976/227/ 17.67H	LAT= 23.6	17- 1976/228/ 19.67H	LAT= 81.6
8- 1976/227/ 18.50H	LAT= -3.7	18- 1976/228/ 23.67H	LAT= 81.6
9- 1976/227/ 19.33H	LAT= -31.1	19- 1976/229/ 3.17H	LAT= 79.0
10- 1976/227/ 19.50H	LAT= -33.3		

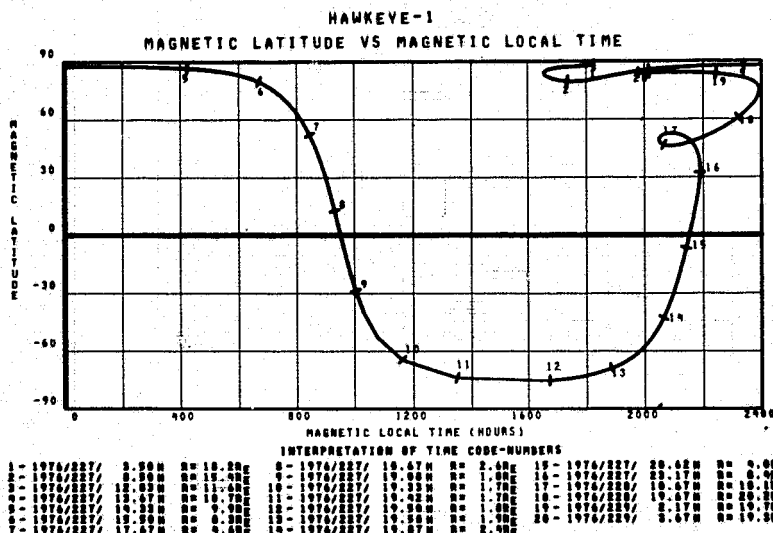
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/227/ 3.00H TO 1976/229/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

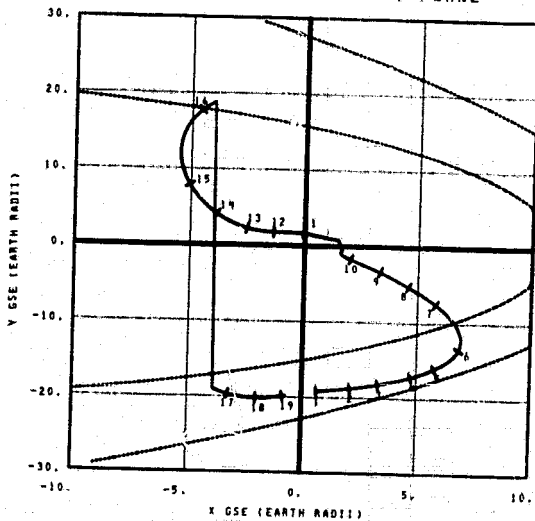
1- 1976/227/ 3.50H	R= 10.2R	11- 1976/228/ 5.00H	R= 14.0R
2- 1976/227/ 5.00H	R= 16.7R	12- 1976/228/ 7.17H	R= 16.1R
3- 1976/227/ 7.00H	R= 12.6R	13- 1976/228/ 12.17H	R= 10.7R
4- 1976/227/ 13.00H	R= 10.5R	14- 1976/228/ 15.17H	R= 19.6R
5- 1976/227/ 15.67H	R= 8.1R	15- 1976/228/ 16.17H	R= 19.0R
6- 1976/227/ 18.03H	R= 2.2R	16- 1976/228/ 17.67H	R= 20.1R
7- 1976/227/ 19.42H	R= 1.7R	17- 1976/228/ 19.17H	R= 20.2R
8- 1976/227/ 20.05H	R= 2.0R	18- 1976/228/ 20.67H	R= 20.3R
9- 1976/227/ 21.03H	R= 6.3R	19- 1976/229/ 0.67H	R= 20.0R
10- 1976/228/ 2.50H	R= 12.4R	20- 1976/229/ 3.67H	R= 19.3R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/227/ 3.00H TO 1976/229/ 4.00H



TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/227/ 3.00H TO 1976/229/ 4.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

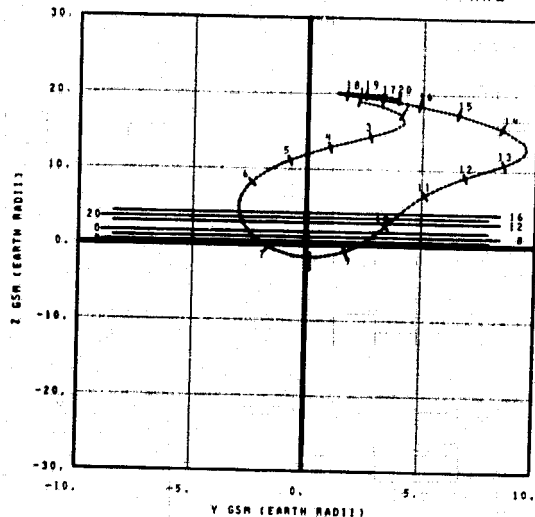
1- 1976/229/ 4.17M	LAT= 79.0	11- 1976/229/ 22.50M	LAT= -77.0
2- 1976/229/ 5.17M	LAT= 78.1	12- 1976/229/ 23.00M	LAT= -27.2
3- 1976/229/ 6.17M	LAT= 77.2	13- 1976/229/ 23.50M	LAT= 5.1
4- 1976/229/ 7.67M	LAT= 75.5	14- 1976/230/ 0.57M	LAT= 30.9
5- 1976/229/ 9.17M	LAT= 75.4	15- 1976/230/ 3.00M	LAT= 50.6
6- 1976/229/ 12.17M	LAT= 69.0	16- 1976/230/ 14.50M	LAT= 75.5
7- 1976/229/ 17.03M	LAT= 52.7	17- 1976/230/ 20.00M	LAT= 80.3
8- 1976/229/ 19.50M	LAT= 41.2	18- 1976/231/ 0.50M	LAT= 81.9
9- 1976/229/ 20.03M	LAT= 24.5	19- 1976/231/ 4.50M	LAT= 81.0
10- 1976/229/ 21.03M	LAT= -10.9		

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/229/ 4.00M TO 1976/231/ 5.00M

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

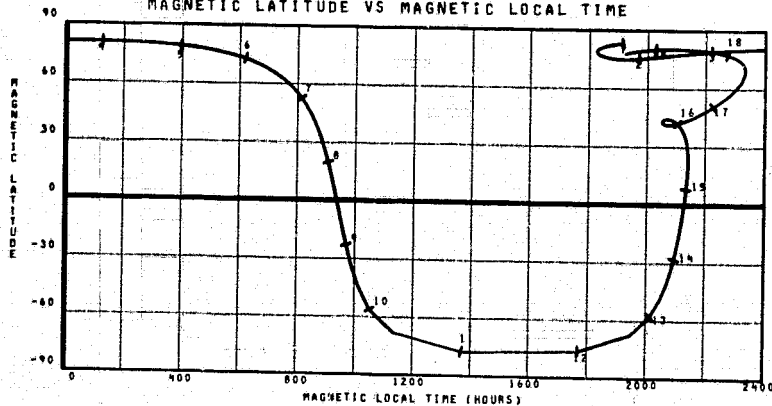
1- 1976/229/ 4.17M	R= 19.20E	11- 1976/230/ 3.50M	R= 9.90E
2- 1976/229/ 5.17M	R= 17.00E	12- 1976/230/ 4.00M	R= 12.70E
3- 1976/229/ 6.17M	R= 14.00E	13- 1976/230/ 0.50M	R= 14.00E
4- 1976/229/ 7.67M	R= 13.30E	14- 1976/230/ 14.50M	R= 10.30E
5- 1976/229/ 9.17M	R= 11.70E	15- 1976/230/ 16.50M	R= 19.10E
6- 1976/229/ 10.70M	R= 9.30E	16- 1976/230/ 18.00M	R= 19.30E
7- 1976/229/ 12.03M	R= 2.40E	17- 1976/230/ 19.50M	R= 19.00E
8- 1976/229/ 17.03M	R= 1.70E	18- 1976/230/ 21.50M	R= 20.10E
9- 1976/229/ 22.50M	R= 2.40E	19- 1976/231/ 3.00M	R= 20.10E
10- 1976/229/ 23.10M	R= 5.00E	20- 1976/231/ 5.00M	R= 19.00E

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/229/ 4.00M TO 1976/231/ 5.00M

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

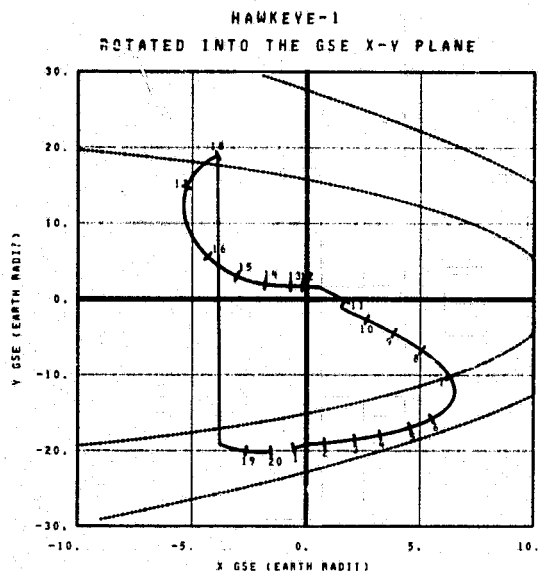


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/229/ 4.17M	R= 19.20E	11- 1976/229/ 21.50M	R= 3.20E	15- 1976/230/ 0.00M	R= 4.50E
2- 1976/229/ 5.17M	R= 19.20E	12- 1976/229/ 22.17M	R= 2.00E	16- 1976/230/ 3.00M	R= 10.30E
3- 1976/229/ 6.17M	R= 13.30E	13- 1976/229/ 22.40M	R= 1.70E	17- 1976/230/ 17.50M	R= 10.30E
4- 1976/229/ 7.67M	R= 11.00E	14- 1976/229/ 22.50M	R= 1.70E	18- 1976/231/ 1.00M	R= 20.30E
5- 1976/229/ 9.17M	R= 9.90E	15- 1976/229/ 22.50M	R= 1.70E	19- 1976/231/ 3.50M	R= 20.00E
6- 1976/229/ 10.70M	R= 9.90E	16- 1976/229/ 22.50M	R= 2.60E		

TIME AS YEAR/DAY/HOUR

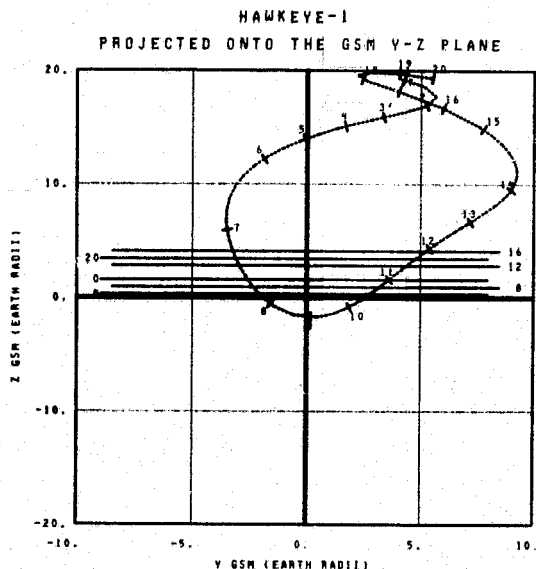
TIME INTERVAL OF PLOT 1976/229/ 4.00M TO 1976/231/ 5.00M



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/231/ 5.50H	LAT= 80.4	11- 1976/232/ 1.67H	LAT= -77.3
2- 1976/231/ 8.00H	LAT= 78.5	12- 1976/232/ 1.83H	LAT= -71.4
3- 1976/231/ 9.00H	LAT= 77.4	13- 1976/232/ 2.00H	LAT= -69.2
4- 1976/231/ 10.00H	LAT= 76.6	14- 1976/232/ 2.43H	LAT= -67.7
5- 1976/231/ 11.50H	LAT= 74.8	15- 1976/232/ 3.20H	LAT= -68.5
6- 1976/231/ 13.00H	LAT= 72.9	16- 1976/232/ 4.75H	LAT= -68.4
7- 1976/231/ 16.03H	LAT= 61.1	17- 1976/232/ 12.83H	LAT= -68.7
8- 1976/231/ 21.03H	LAT= 48.5	18- 1976/232/ 21.57H	LAT= -78.3
9- 1976/231/ 23.42H	LAT= 34.6	19- 1976/233/ 1.67H	LAT= 61.9
10- 1976/232/ 0.50H	LAT= 15.3	20- 1976/233/ 5.67H	LAT= 61.7

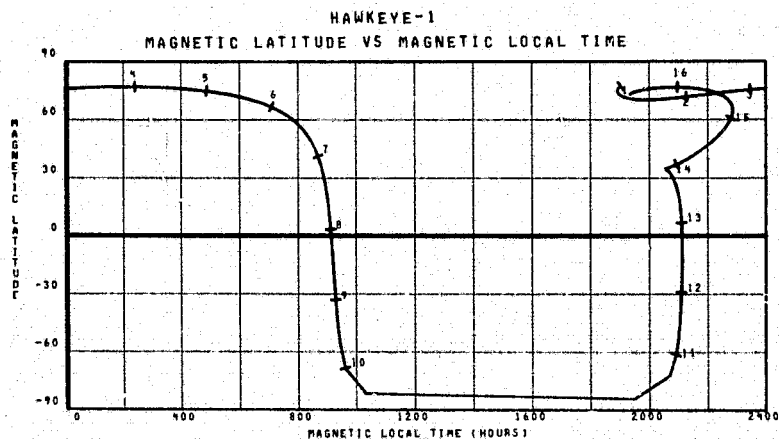
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/231/ 5.00H TO 1976/233/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/231/ 5.50H	R= 19.7Re	11- 1976/232/ 3.75H	R= 5.4Re
2- 1976/231/ 11.00H	R= 17.0Re	12- 1976/232/ 5.50H	R= 6.4Re
3- 1976/231/ 13.50H	R= 16.4Re	13- 1976/232/ 7.75H	R= 11.1Re
4- 1976/231/ 15.00H	R= 15.4Re	14- 1976/232/ 10.03H	R= 14.1Re
5- 1976/231/ 16.50H	R= 14.2Re	15- 1976/232/ 15.03H	R= 17.9Re
6- 1976/231/ 18.17H	R= 12.7Re	16- 1976/232/ 17.67H	R= 10.3Re
7- 1976/231/ 22.33H	R= 7.7Re	17- 1976/232/ 19.47H	R= 19.1Re
8- 1976/232/ 1.17H	R= 2.4Re	18- 1976/232/ 22.17H	R= 19.7Re
9- 1976/232/ 1.03H	R= 1.7Re	19- 1976/233/ 3.67H	R= 20.3Re
10- 1976/232/ 2.50H	R= 2.0Re	20- 1976/233/ 5.67H	R= 20.2Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/231/ 5.00H TO 1976/233/ 6.00H



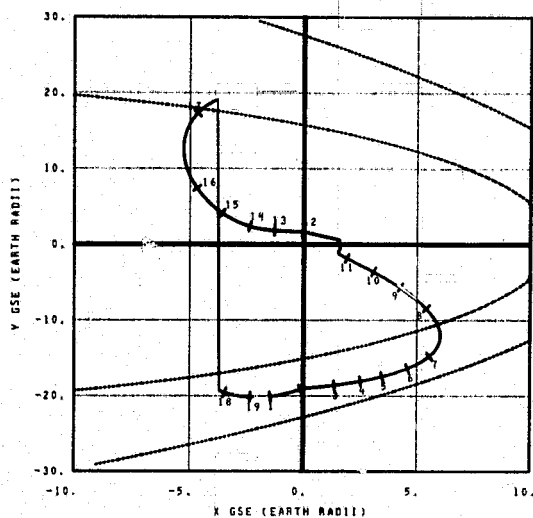
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/231/ 5.50H	R= 19.7Re	9- 1976/232/ 1.00H	R= 2.5Re	15- 1976/232/ 21.17H	R= 19.5Re
2- 1976/231/ 13.50H	R= 16.4Re	10- 1976/232/ 1.43H	R= 1.9Re	16- 1976/233/ 2.67H	R= 20.3Re
3- 1976/231/ 14.00H	R= 16.0Re	11- 1976/232/ 1.67H	R= 1.7Re		
4- 1976/231/ 16.00H	R= 12.9Re	12- 1976/232/ 2.00H	R= 1.9Re		
5- 1976/231/ 19.50H	R= 11.3Re	13- 1976/232/ 2.33H	R= 2.5Re		
6- 1976/231/ 21.03H	R= 9.1Re	14- 1976/232/ 3.20H	R= 9.4Re		
7- 1976/231/ 23.03H	R= 5.1Re	15- 1976/232/ 15.17H	R= 13.7Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/231 / 5.00H TO 1976/233 / 6.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/233/ 6.17H	LAT= 81.6	11- 1976/234/ 4.25H	LAT= -10.5
2- 1976/233/ 10.67H	LAT= 79.1	12- 1976/234/ 5.00H	LAT= -77.3
3- 1976/233/ 12.17H	LAT= 77.7	13- 1976/234/ 5.42H	LAT= -27.4
4- 1976/233/ 13.17H	LAT= 76.7	14- 1976/234/ 5.95H	LAT= 4.9
5- 1976/233/ 14.17H	LAT= 75.6	15- 1976/234/ 7.00H	LAT= 29.9
6- 1976/233/ 15.67H	LAT= 73.7	16- 1976/234/ 9.00H	LAT= 48.3
7- 1976/233/ 17.67H	LAT= 70.7	17- 1976/234/ 20.00H	LAT= 74.3
8- 1976/233/ 23.03H	LAT= 54.8	18- 1976/235/ 2.00H	LAT= 79.0
9- 1976/234/ 1.92H	LAT= 42.2	19- 1976/235/ 6.50H	LAT= 81.0
10- 1976/234/ 3.25H	LAT= 24.8		

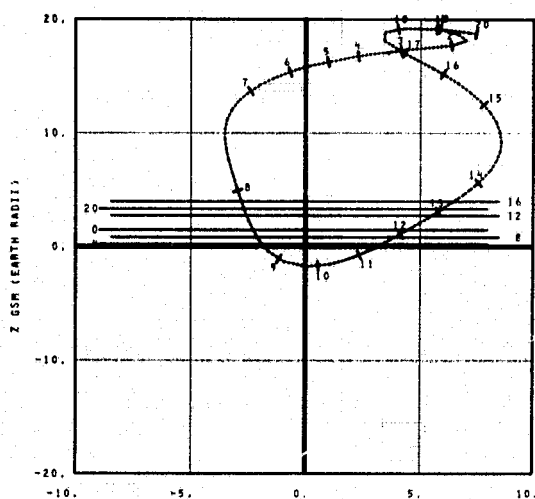
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/233/ 6.00H TO 1976/235/ 7.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/233/ 6.17H	R= 20.1RE	11- 1976/234/ 5.97H	R= 3.4RE
2- 1976/233/ 11.67H	R= 18.8RE	12- 1976/234/ 7.00H	R= 5.6RE
3- 1976/233/ 14.17H	R= 17.8RE	13- 1976/234/ 8.50H	R= 7.9RE
4- 1976/233/ 15.67H	R= 17.0RE	14- 1976/234/ 10.50H	R= 10.7RE
5- 1976/233/ 16.67H	R= 16.4RE	15- 1976/234/ 14.00H	R= 15.6RE
6- 1976/233/ 18.00H	R= 15.9RE	16- 1976/234/ 18.33H	R= 17.1RE
7- 1976/235/ 19.00H	R= 14.1RE	17- 1976/234/ 20.50H	R= 18.1RE
8- 1976/234/ 2.25H	R= 6.3RE	18- 1976/235/ 2.00H	R= 19.9RE
9- 1976/234/ 4.67H	R= 1.9RE	19- 1976/235/ 4.50H	R= 20.2RE
10- 1976/234/ 9.25H	R= 1.9RE	20- 1976/235/ 7.00H	R= 20.3RE

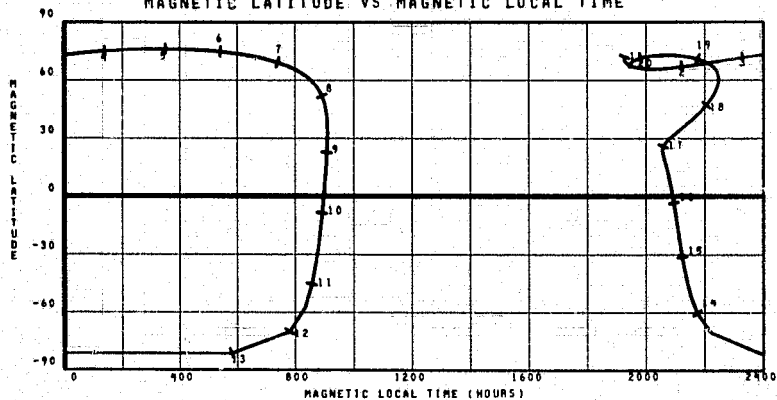
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/233/ 6.00H TO 1976/235/ 7.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

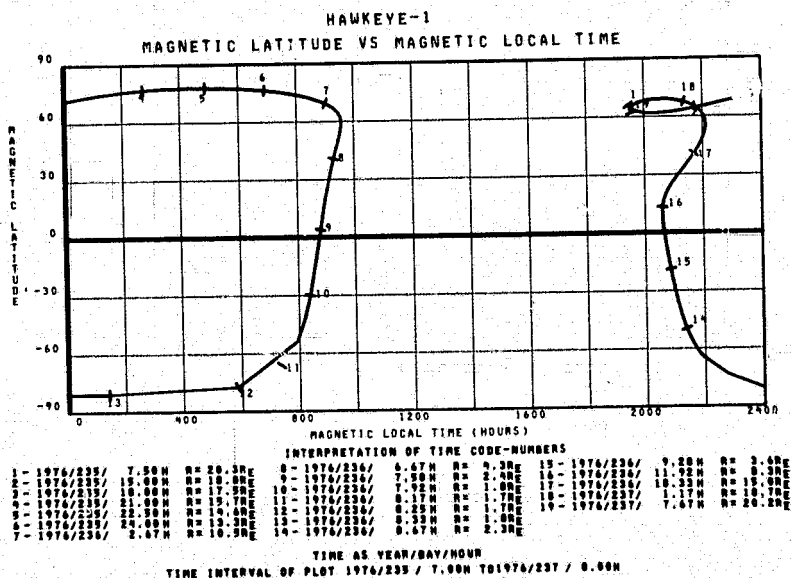
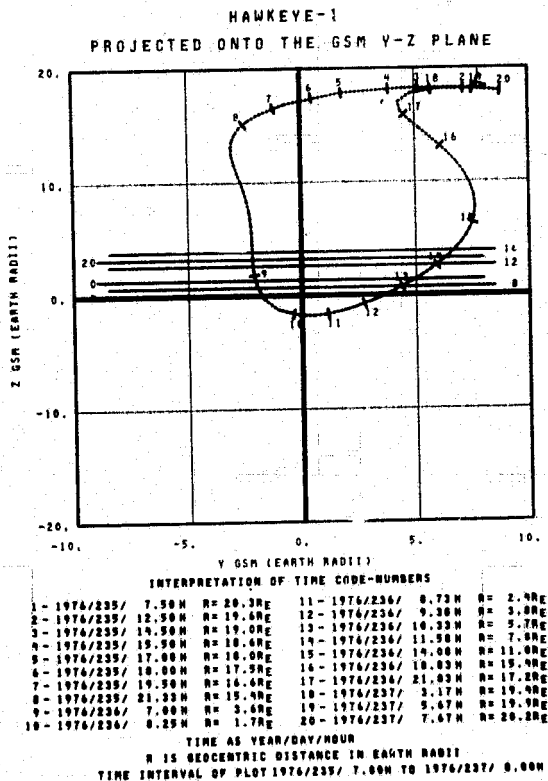
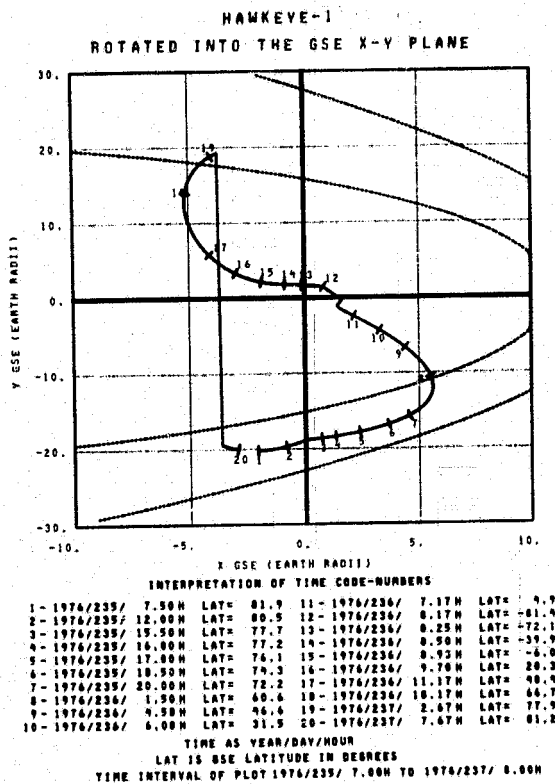


INTERPRETATION OF TIME CODE-NUMBERS

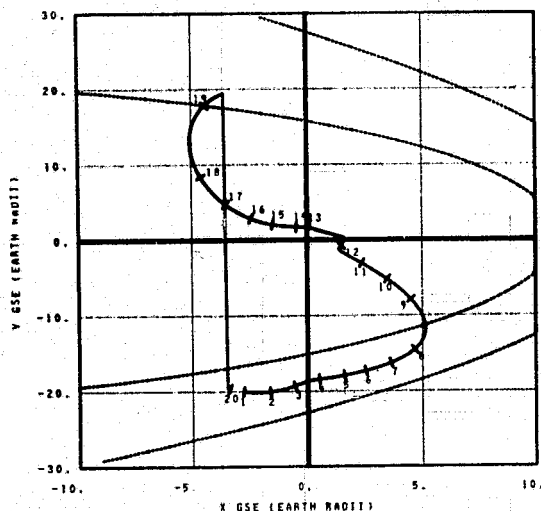
1- 1976/233/ 6.17H	R= 20.1RE	11- 1976/234/ 5.97H	R= 3.4RE
2- 1976/233/ 11.67H	R= 18.8RE	12- 1976/234/ 7.00H	R= 5.6RE
3- 1976/233/ 14.17H	R= 17.8RE	13- 1976/234/ 8.50H	R= 7.9RE
4- 1976/233/ 15.67H	R= 17.0RE	14- 1976/234/ 10.50H	R= 10.7RE
5- 1976/233/ 16.67H	R= 16.4RE	15- 1976/234/ 14.00H	R= 15.6RE
6- 1976/233/ 18.00H	R= 15.9RE	16- 1976/234/ 18.33H	R= 17.1RE
7- 1976/235/ 19.00H	R= 14.1RE	17- 1976/234/ 20.50H	R= 18.1RE
8- 1976/234/ 2.25H	R= 6.3RE	18- 1976/235/ 2.00H	R= 19.9RE
9- 1976/234/ 4.67H	R= 1.9RE	19- 1976/235/ 4.50H	R= 20.2RE
10- 1976/234/ 9.25H	R= 1.9RE	20- 1976/235/ 7.00H	R= 20.3RE

TIME AS YEAR/DAY/HOUR

TIME INTERVAL OF PLOT 1976/233 / 6.00H TO 1976/235 / 7.00H



HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

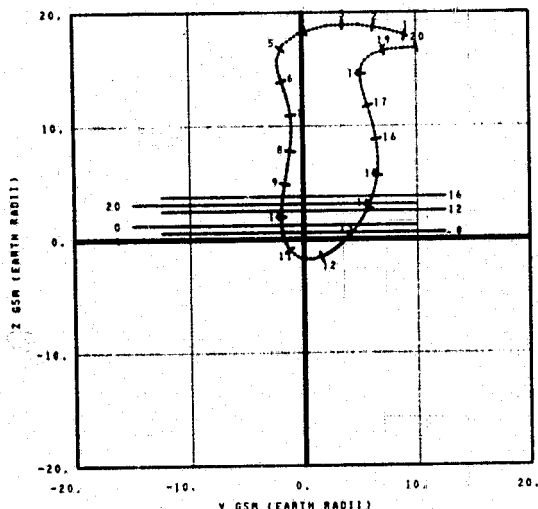
1- 1976/237/ 0.17H	LAT= 81.4	11- 1976/239/ 10.00H	LAT= 15.4
2- 1976/237/ 12.67H	LAT= 81.6	12- 1976/239/ 11.25H	LAT= -70.1
3- 1976/237/ 16.67H	LAT= 79.5	13- 1976/239/ 11.42H	LAT= -70.0
4- 1976/237/ 19.17H	LAT= 77.3	14- 1976/239/ 11.58H	LAT= -59.3
5- 1976/237/ 20.17H	LAT= 76.2	15- 1976/239/ 12.00H	LAT= -14.7
6- 1976/237/ 21.17H	LAT= 75.0	16- 1976/239/ 12.57H	LAT= 11.4
7- 1976/237/ 22.67H	LAT= 73.1	17- 1976/239/ 15.67H	LAT= 33.0
8- 1976/238/ 0.03H	LAT= 69.4	18- 1976/239/ 16.00H	LAT= 51.3
9- 1976/238/ 7.00H	LAT= 51.5	19- 1976/239/ 3.50H	LAT= 75.5
10- 1976/238/ 8.03H	LAT= 37.6	20- 1976/239/ 9.00H	LAT= 89.2

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/237/ 0.00H TO 1976/239/ 9.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

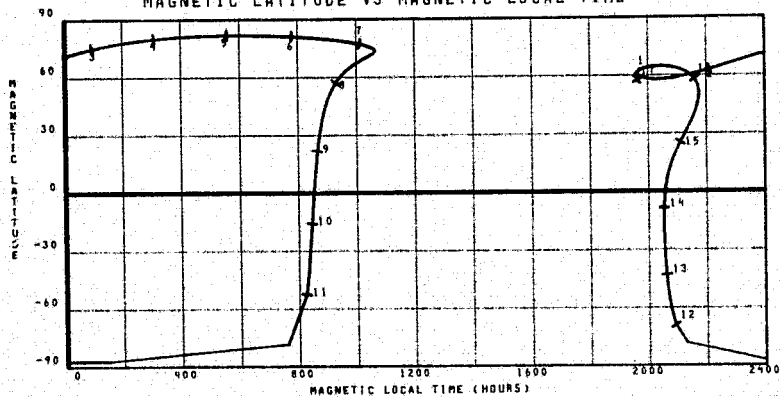
1- 1976/237/ 0.17H	R= 20.2RE	11- 1976/239/ 11.17H	R= 1.0RE
2- 1976/237/ 14.67H	R= 19.0RE	12- 1976/239/ 12.00H	R= 2.7RE
3- 1976/237/ 16.67H	R= 19.3RE	13- 1976/239/ 13.25H	R= 5.1RE
4- 1976/237/ 19.17H	R= 18.4RE	14- 1976/239/ 14.67H	R= 7.6RE
5- 1976/237/ 22.17H	R= 17.0RE	15- 1976/239/ 16.25H	R= 9.8RE
6- 1976/238/ 2.17H	R= 14.2RE	16- 1976/239/ 16.17H	R= 12.0RE
7- 1976/238/ 5.17H	R= 11.3RE	17- 1976/239/ 20.33H	R= 14.0RE
8- 1976/238/ 7.50H	R= 8.4RE	18- 1976/239/ 23.33H	R= 16.2RE
9- 1976/238/ 9.00H	R= 5.0RE	19- 1976/239/ 9.00H	R= 18.6RE
10- 1976/238/ 10.25H	R= 3.5RE	20- 1976/239/ 9.00H	R= 20.0RE

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/237/ 0.00H TO 1976/239/ 9.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

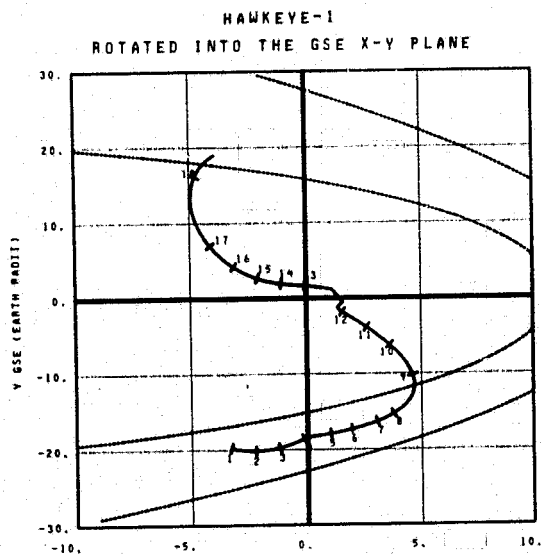


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/237/ 0.17H	R= 20.2RE	8- 1976/238/ 9.50H	R= 5.1RE	15- 1976/239/ 16.92H	R= 10.6RE
2- 1976/237/ 16.17H	R= 19.4RE	9- 1976/238/ 10.67H	R= 2.7RE	16- 1976/239/ 23.33H	R= 16.2RE
3- 1976/237/ 20.67H	R= 17.0RE	10- 1976/238/ 11.00H	R= 1.9RE	17- 1976/239/ 9.00H	R= 18.6RE
4- 1976/237/ 25.67H	R= 16.7RE	11- 1976/239/ 11.33H	R= 1.7RE		
5- 1976/238/ 0.17H	R= 15.7RE	12- 1976/239/ 11.75H	R= 2.1RE		
6- 1976/238/ 1.50H	R= 14.7RE	13- 1976/239/ 12.00H	R= 2.7RE		
7- 1976/238/ 4.00H	R= 12.5RE	14- 1976/239/ 13.17H	R= 5.0RE		

TIME AS YEAR/DAY/HOUR

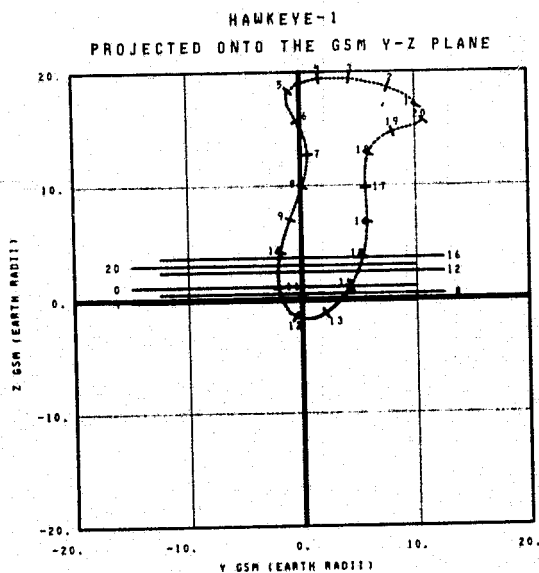
TIME INTERVAL OF PLOT 1976/237 / 0.00H TO 1976/239 / 9.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/239/ 9.50H	LAT= 80.5	11- 1976/240/ 12.92H	LAT= 24.7
2- 1976/239/ 14.00H	LAT= 81.9	12- 1976/240/ 14.00H	LAT= -17.9
3- 1976/239/ 18.00H	LAT= 80.7	13- 1976/240/ 14.67H	LAT= -73.2
4- 1976/239/ 22.00H	LAT= 77.7	14- 1976/240/ 15.35H	LAT= -27.2
5- 1976/239/ 25.50H	LAT= 76.1	15- 1976/240/ 15.60H	LAT= 5.2
6- 1976/240/ 0.50H	LAT= 74.9	16- 1976/240/ 16.32H	LAT= 27.0
7- 1976/240/ 2.00H	LAT= 72.9	17- 1976/240/ 18.25H	LAT= 49.4
8- 1976/240/ 3.33H	LAT= 70.9	18- 1976/241/ 3.50H	LAT= 71.4
9- 1976/240/ 0.50H	LAT= 58.9		
10- 1976/240/ 11.50H	LAT= 42.0		

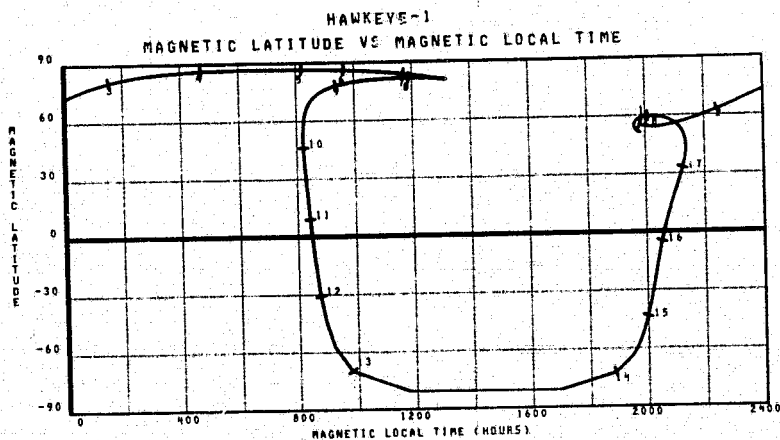
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/239/ 9.00H TO 1976/241/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/239/ 9.50H	R= 20.0RE	11- 1976/240/ 13.75H	R= 2.9RE
2- 1976/239/ 14.00H	R= 20.2RE	12- 1976/240/ 14.50H	R= 1.7RE
3- 1976/239/ 17.00H	R= 20.0RE	13- 1976/240/ 15.40H	R= 3.0RE
4- 1976/239/ 19.00H	R= 19.5RE	14- 1976/240/ 16.32H	R= 5.2RE
5- 1976/239/ 22.50H	R= 18.4RE	15- 1976/240/ 17.92H	R= 7.6RE
6- 1976/240/ 3.53H	R= 15.7RE	16- 1976/240/ 19.50H	R= 9.9RE
7- 1976/240/ 6.03H	R= 12.9RE	17- 1976/240/ 21.67H	R= 12.3RE
8- 1976/240/ 9.33H	R= 10.2RE	18- 1976/241/ 0.67H	R= 14.9RE
9- 1976/240/ 11.25H	R= 7.4RE	19- 1976/241/ 9.50H	R= 17.4RE
10- 1976/240/ 12.67H	R= 5.2RE	20- 1976/241/ 9.67H	R= 19.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/239/ 9.00H TO 1976/241/10.00H



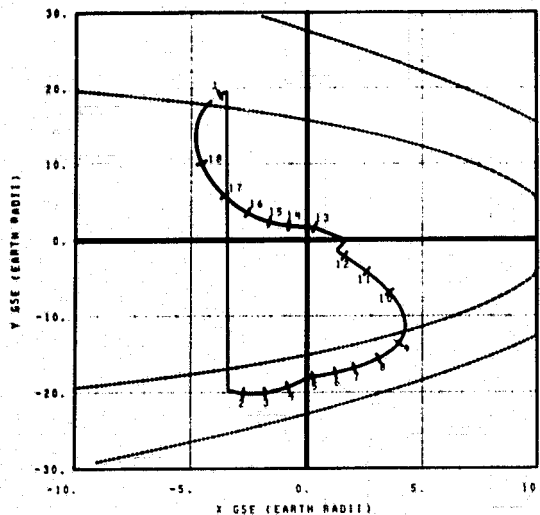
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/239/ 9.50H	R= 20.0RE	8- 1976/240/ 9.67H	R= 9.0RE	15- 1976/240/ 15.27H	R= 2.7RE
2- 1976/239/ 17.50H	R= 18.2RE	9- 1976/240/ 11.18H	R= 9.0RE	16- 1976/240/ 16.30H	R= 5.0RE
3- 1976/239/ 25.50H	R= 18.2RE	10- 1976/240/ 13.42H	R= 3.0RE	17- 1976/240/ 19.92H	R= 10.0RE
4- 1976/240/ 1.00H	R= 17.20H	11- 1976/240/ 14.00H	R= 2.0RE	18- 1976/241/ 3.50H	R= 10.0RE
5- 1976/240/ 2.00H	R= 16.00H	12- 1976/240/ 14.67H	R= 1.7RE		
6- 1976/240/ 3.50H	R= 15.40H	13- 1976/240/ 15.60H	R= 5.2RE		
7- 1976/240/ 7.00H	R= 12.9RE	14- 1976/240/ 16.32H	R= 2.0RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/239 / 9.00H TO 1976/241 /10.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/241/ 10.17H	LAT= 70.7	11- 1976/242/ 16.00H	LAT= 27.2
2- 1976/241/ 15.17H	LAT= 81.6	12- 1976/242/ 17.00H	LAT= -7.0
3- 1976/241/ 19.17H	LAT= 81.6	13- 1976/242/ 17.03H	LAT= -70.9
4- 1976/241/ 23.17H	LAT= 79.2	14- 1976/242/ 18.17H	LAT= -36.9
5- 1976/242/ 2.67H	LAT= 76.2	15- 1976/242/ 18.50H	LAT= -5.1
6- 1976/242/ 3.67H	LAT= 75.0	16- 1976/242/ 19.32H	LAT= 20.0
7- 1976/242/ 4.67H	LAT= 73.7	17- 1976/242/ 20.67H	LAT= 39.1
8- 1976/242/ 6.33H	LAT= 71.3	18- 1976/242/ 23.03H	LAT= 56.6
9- 1976/242/ 8.67H	LAT= 67.0		
10- 1976/242/ 10.33H	LAT= 46.1		

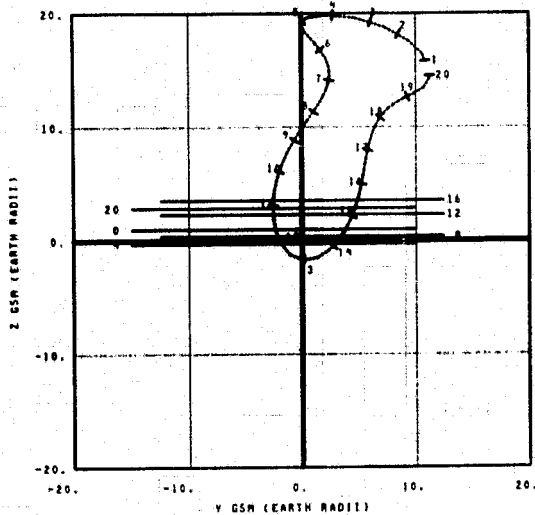
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/241/10.00H TO 1976/243/11.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/241/ 10.17H	R= 19.5RE	11- 1976/242/ 16.17H	R= 4.6RE
2- 1976/241/ 15.17H	R= 20.3RE	12- 1976/242/ 17.17H	R= 2.5RE
3- 1976/241/ 19.17H	R= 20.3RE	13- 1976/242/ 17.92H	R= 1.7RE
4- 1976/241/ 23.17H	R= 20.1RE	14- 1976/242/ 18.00H	R= 3.4RE
5- 1976/241/ 22.67H	R= 19.4RE	15- 1976/242/ 20.00H	R= 5.7RE
6- 1976/242/ 4.67H	R= 16.9RE	16- 1976/242/ 21.50H	R= 6.2RE
7- 1976/242/ 8.33H	R= 14.4RE	17- 1976/242/ 23.50H	R= 10.0RE
8- 1976/242/ 11.33H	R= 11.6RE	18- 1976/243/ 2.33H	R= 13.7RE
9- 1976/242/ 13.33H	R= 9.2RE	19- 1976/243/ 6.00H	R= 16.4RE
10- 1976/242/ 14.92H	R= 6.9RE	20- 1976/243/ 11.00H	R= 10.0RE

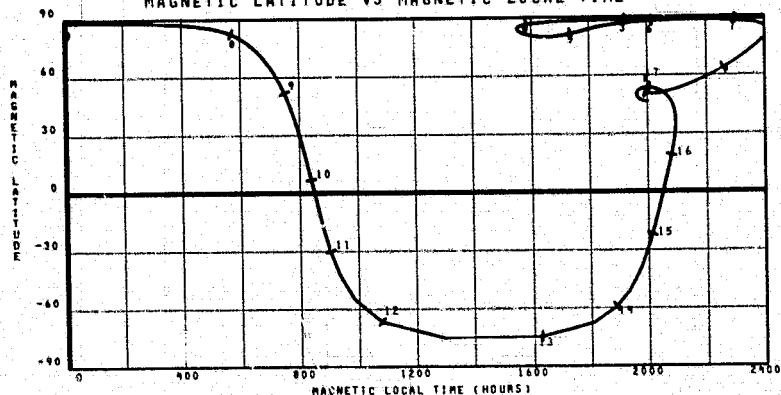
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/241/10.00H TO 1976/243/11.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

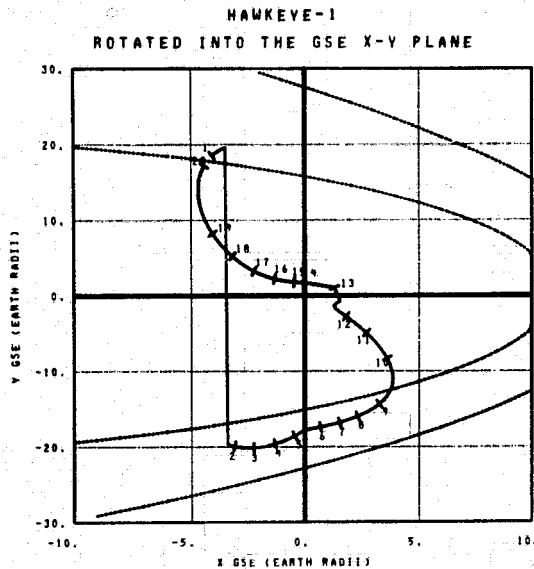


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/241/ 10.17H	R= 19.5RE	8- 1976/242/ 13.03H	R= 0.5RE	15- 1976/242/ 18.72H	R= 3.0RE
2- 1976/241/ 15.17H	R= 20.3RE	9- 1976/242/ 15.23H	R= 0.4RE	16- 1976/242/ 20.50H	R= 4.6RE
3- 1976/241/ 19.17H	R= 20.3RE	10- 1976/242/ 16.00H	R= 2.3RE	17- 1976/243/ 3.33H	R= 14.9RE
4- 1976/242/ 2.67H	R= 17.7RE	11- 1976/242/ 17.00H	R= 1.0RE		
5- 1976/242/ 3.67H	R= 16.9RE	12- 1976/242/ 17.03H	R= 1.0RE		
6- 1976/242/ 4.67H	R= 16.9RE	13- 1976/242/ 18.17H	R= 1.0RE		
7- 1976/242/ 6.33H	R= 14.4RE	14- 1976/242/ 18.50H	R= 2.1RE		

TIME AS YEAR/DAY/HOUR

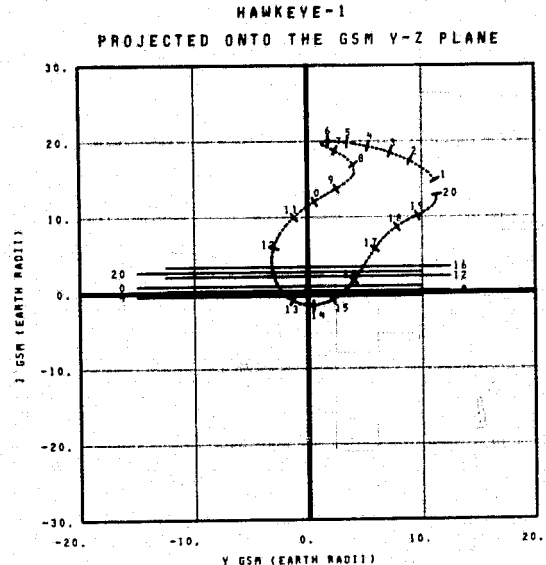
TIME INTERVAL OF PLOT 1976/241/10.00H TO 1976/243/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/243/ 11.50H	LAT= 77.0	11- 1976/244/ 10.03H	LAT= 33.2
2- 1976/243/ 17.00H	LAT= 81.0	12- 1976/244/ 20.00H	LAT= 9.7
3- 1976/243/ 21.00H	LAT= 81.9	13- 1976/244/ 21.00H	LAT= -81.0
4- 1976/244/ 1.00H	LAT= 80.5	14- 1976/244/ 21.00H	LAT= -75.7
5- 1976/244/ 9.50H	LAT= 77.7	15- 1976/244/ 21.25H	LAT= -53.0
6- 1976/244/ 7.00H	LAT= 74.9	16- 1976/244/ 21.65H	LAT= -13.6
7- 1976/244/ 0.00H	LAT= 73.6	17- 1976/244/ 22.20H	LAT= 13.0
8- 1976/244/ 9.17H	LAT= 71.9	18- 1976/244/ 23.42H	LAT= 34.3
9- 1976/244/ 11.17H	LAT= 60.5	19- 1976/243/ 1.42H	LAT= 49.7
10- 1976/244/ 16.67H	LAT= 51.5	20- 1976/245/ 11.67H	LAT= 75.6

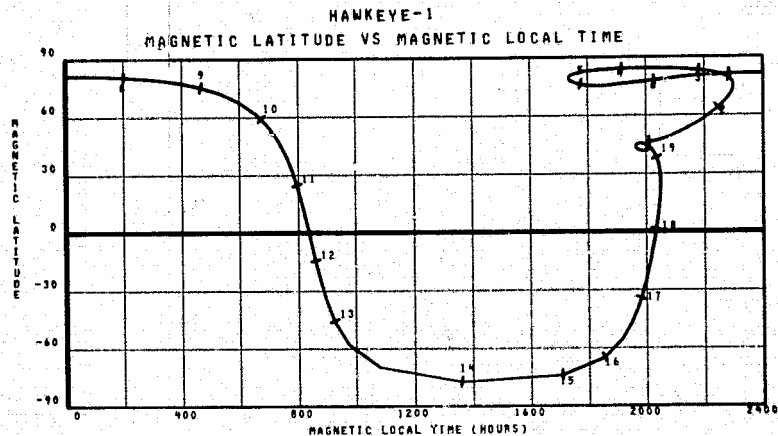
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/243/11.00H TO 1976/245/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/243/ 11.50H	R= 19.0RE	11- 1976/244/ 15.67H	R= 10.3RE
2- 1976/243/ 15.00H	R= 19.9RE	12- 1976/244/ 18.00H	R= 7.1RE
3- 1976/243/ 16.50H	R= 20.1RE	13- 1976/244/ 20.67H	R= 1.9RE
4- 1976/243/ 18.00H	R= 20.3RE	14- 1976/244/ 21.17H	R= 1.0RE
5- 1976/243/ 19.50H	R= 20.3RE	15- 1976/244/ 21.72H	R= 2.7RE
6- 1976/243/ 21.50H	R= 20.2RE	16- 1976/244/ 22.00H	R= 5.1RE
7- 1976/244/ 3.50H	R= 18.9RE	17- 1976/245/ 1.42H	R= 9.2RE
8- 1976/244/ 7.00H	R= 17.4RE	18- 1976/245/ 4.33H	R= 12.9RE
9- 1976/244/ 12.00H	R= 14.0RE	19- 1976/245/ 6.63H	R= 14.7RE
10- 1976/244/ 19.00H	R= 12.2RE	20- 1976/245/ 11.67H	R= 17.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/243/11.00H TO 1976/245/12.00H

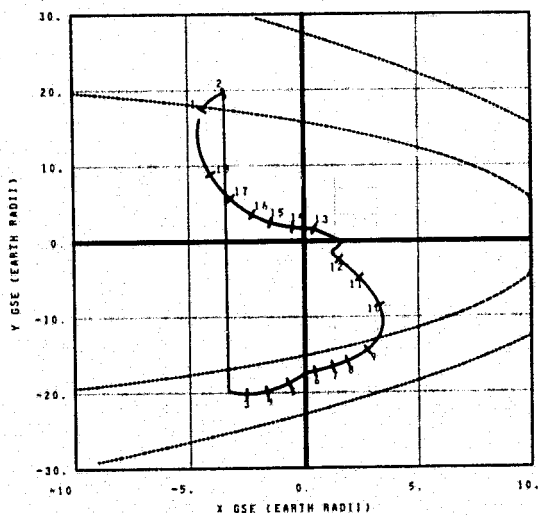


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/243/ 11.50H	R= 19.0RE	8- 1976/244/ 15.33H	R= 10.7RE	15- 1976/244/ 21.17H	R= 1.0RE
2- 1976/243/ 15.00H	R= 19.9RE	9- 1976/244/ 15.67H	R= 9.0RE	16- 1976/244/ 21.67H	R= 1.9RE
3- 1976/244/ 1.00H	R= 19.2RE	10- 1976/244/ 15.67H	R= 6.2RE	17- 1976/244/ 21.67H	R= 2.4RE
4- 1976/244/ 2.50H	R= 19.2RE	11- 1976/244/ 20.00H	R= 3.3RE	18- 1976/244/ 22.00H	R= 4.1RE
5- 1976/244/ 1.00H	R= 17.1RE	12- 1976/244/ 20.50H	R= 2.1RE	19- 1976/245/ 1.33H	R= 9.1RE
6- 1976/244/ 1.17H	R= 15.9RE	13- 1976/244/ 20.50H	R= 1.7RE		
7- 1976/244/ 14.00H	R= 12.2RE	14- 1976/244/ 21.00H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/243/11.00H TO 1976/245/12.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

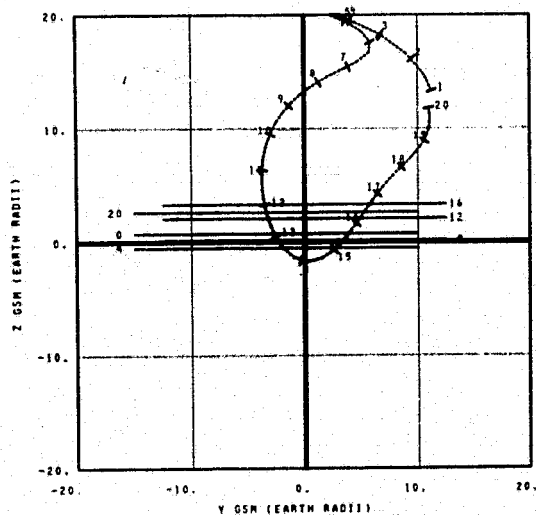


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/245/ 12.17H	LAT= 74.2	11- 1976/246/ 22.17H	LAT= 31.4
2- 1976/245/ 18.67H	LAT= 80.1	12- 1976/246/ 23.42H	LAT= -4.3
3- 1976/245/ 23.17H	LAT= 81.9	13- 1976/247/ 0.25H	LAT= -70.7
4- 1976/246/ 3.17H	LAT= 81.1	14- 1976/247/ 0.50H	LAT= -95.7
5- 1976/246/ 7.17H	LAT= 78.2	15- 1976/247/ 1.00H	LAT= -5.2
6- 1976/246/ 10.67H	LAT= 74.9	16- 1976/247/ 1.62H	LAT= 17.9
7- 1976/246/ 11.67H	LAT= 73.0	17- 1976/247/ 2.83H	LAT= 26.5
8- 1976/246/ 12.67H	LAT= 71.5	18- 1976/247/ 5.08H	LAT= 51.8
9- 1976/246/ 14.90H	LAT= 68.3		
10- 1976/246/ 19.83H	LAT= 51.0		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/245/12.00H TO 1976/247/13.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

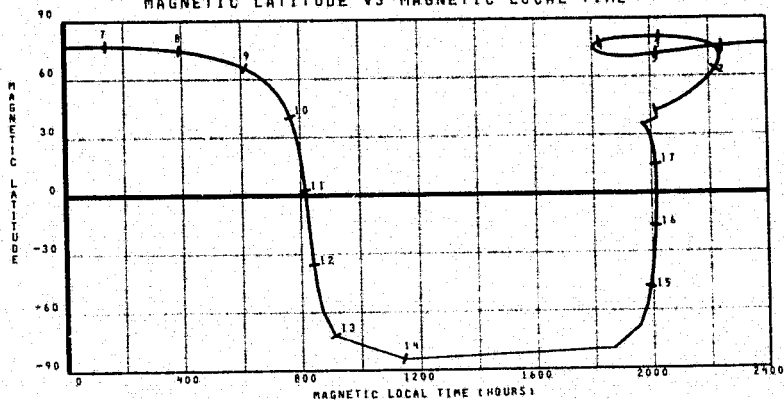


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/245/ 12.17H	R= 18.0RE	11- 1976/246/ 20.83H	R= 7.68E
2- 1976/245/ 18.17H	R= 19.18E	12- 1976/246/ 22.39H	R= 5.28E
3- 1976/245/ 17.67H	R= 19.98E	13- 1976/246/ 23.33H	R= 3.68E
4- 1976/245/ 20.17H	R= 20.28E	14- 1976/247/ 0.17H	R= 1.78E
5- 1976/246/ 3.17H	R= 19.98E	15- 1976/247/ 1.00H	R= 3.18E
6- 1976/246/ 7.67H	R= 18.48E	16- 1976/247/ 2.33H	R= 5.68E
7- 1976/246/ 12.67H	R= 15.98E	17- 1976/247/ 4.17H	R= 9.58E
8- 1976/246/ 15.00H	R= 14.28E	18- 1976/247/ 6.67H	R= 11.68E
9- 1976/246/ 17.17H	R= 12.28E	19- 1976/247/ 9.83H	R= 14.68E
10- 1976/246/ 19.00H	R= 10.28E	20- 1976/247/ 13.00H	R= 16.78E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/245/12.00H TO 1976/247/13.00H

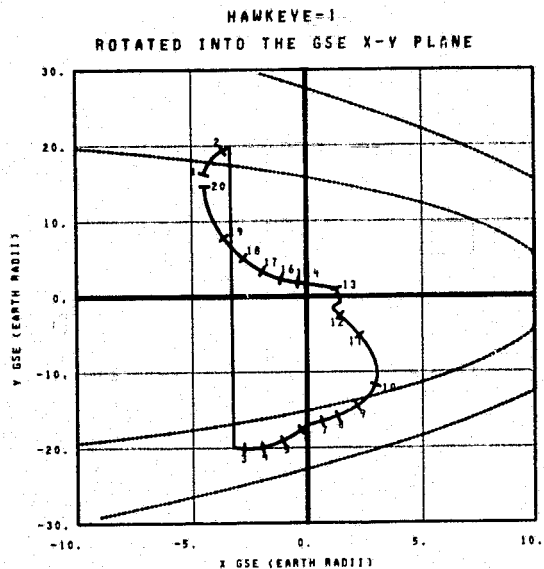
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/245/ 12.17H	R= 18.0RE	11- 1976/246/ 18.33H	R= 10.98E	15- 1976/247/ 0.50H	R= 2.18E
2- 1976/245/ 18.17H	R= 19.18E	12- 1976/246/ 20.17H	R= 8.48E	16- 1976/247/ 1.00H	R= 2.98E
3- 1976/246/ 1.67H	R= 20.18E	13- 1976/246/ 22.42H	R= 4.98E	17- 1976/247/ 2.00H	R= 5.18E
4- 1976/246/ 1.17H	R= 19.68E	14- 1976/246/ 23.50H	R= 2.78E		
5- 1976/246/ 12.17H	R= 16.38E	15- 1976/246/ 23.92H	R= 1.98E		
6- 1976/246/ 14.83H	R= 14.38E	16- 1976/247/ 0.17H	R= 1.78E		
7- 1976/246/ 16.83H	R= 12.38E	17- 1976/247/ 0.25H	R= 1.78E		

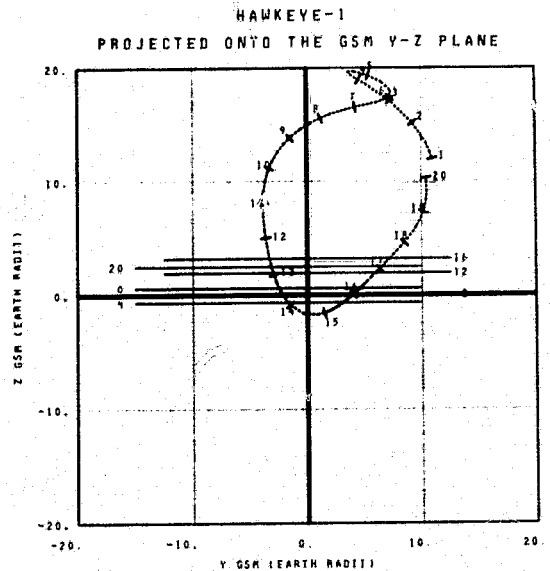
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/245/12.00H TO 1976/247/13.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/247/ 13.17H	LAT= 71.3	11- 1976/249/ 1.25H	LAT= 33.3
2- 1976/247/ 20.50H	LAT= 79.1	12- 1976/249/ 2.50H	LAT= -2.0
3- 1976/248/ 1.50H	LAT= 81.7	13- 1976/249/ 3.42H	LAT= -81.0
4- 1976/248/ 9.50H	LAT= 81.4	14- 1976/249/ 3.50H	LAT= -73.2
5- 1976/248/ 9.50H	LAT= 79.0	15- 1976/249/ 3.67H	LAT= -90.6
6- 1976/248/ 13.00H	LAT= 75.5	16- 1976/249/ 4.05H	LAT= -14.6
7- 1976/248/ 15.00H	LAT= 72.9	17- 1976/249/ 4.67H	LAT= 12.0
8- 1976/248/ 16.00H	LAT= 71.4	18- 1976/249/ 5.65H	LAT= 31.9
9- 1976/248/ 17.47H	LAT= 69.3	19- 1976/249/ 7.42H	LAT= 47.2
10- 1976/248/ 20.50H	LAT= 61.6	20- 1976/249/ 14.00H	LAT= 47.9

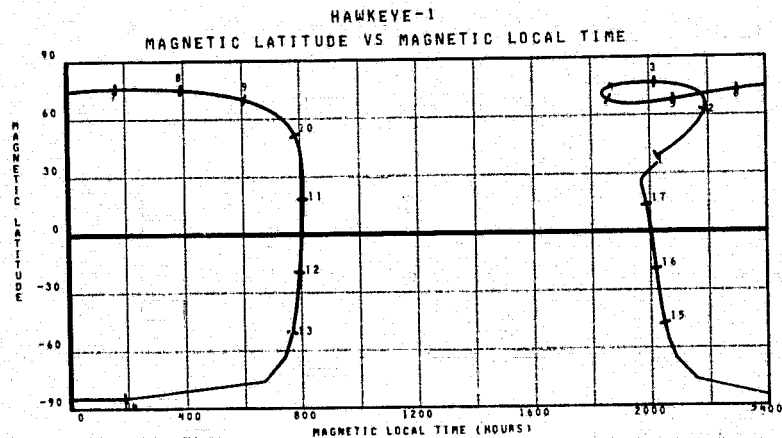
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/247/13.00H TO 1976/249/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/247/ 13.17H	R= 16.0Re	11- 1976/248/ 23.00H	R= 9.1Re
2- 1976/247/ 20.50H	R= 19.3Re	12- 1976/249/ 0.75H	R= 4.5Re
3- 1976/247/ 10.00H	R= 19.0Re	13- 1976/249/ 2.17H	R= 3.6Re
4- 1976/247/ 21.00H	R= 19.8Re	14- 1976/249/ 3.00H	R= 1.9Re
5- 1976/248/ 4.00H	R= 20.2Re	15- 1976/249/ 3.92H	R= 2.3Re
6- 1976/248/ 10.00H	R= 18.9Re	16- 1976/249/ 5.00H	R= 4.6Re
7- 1976/248/ 14.00H	R= 17.1Re	17- 1976/249/ 6.67H	R= 7.5Re
8- 1976/248/ 16.33H	R= 15.6Re	18- 1976/249/ 8.03H	R= 10.4Re
9- 1976/248/ 19.35H	R= 14.0Re	19- 1976/249/ 11.50H	R= 13.2Re
10- 1976/248/ 20.63H	R= 11.7Re	20- 1976/249/ 14.00H	R= 15.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/247/13.00H TO 1976/249/14.00H



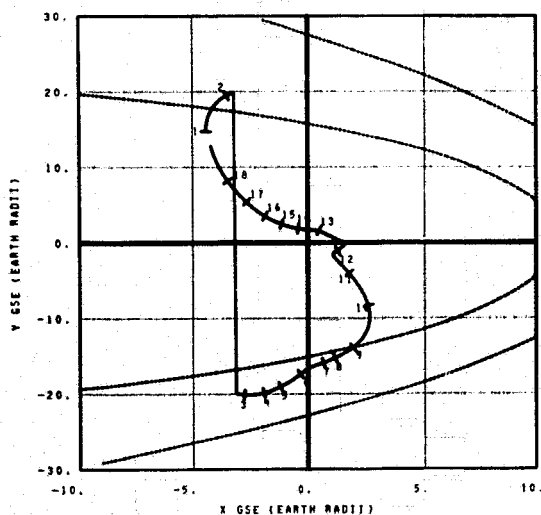
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/247/ 13.17H	R= 16.0Re	8- 1976/248/ 20.00H	R= 12.0Re	15- 1976/249/ 3.03H	R= 2.1Re
2- 1976/247/ 20.50H	R= 19.3Re	9- 1976/248/ 21.33H	R= 10.6Re	16- 1976/249/ 4.20H	R= 3.0Re
3- 1976/248/ 1.50H	R= 20.3Re	10- 1976/249/ 0.75H	R= 4.5Re	17- 1976/249/ 5.00H	R= 4.1Re
4- 1976/248/ 9.50H	R= 19.0Re	11- 1976/249/ 2.17H	R= 3.6Re		
5- 1976/248/ 13.00H	R= 18.9Re	12- 1976/249/ 3.42H	R= 2.1Re		
6- 1976/248/ 15.00H	R= 17.1Re	13- 1976/249/ 3.50H	R= 1.7Re		
7- 1976/248/ 16.00H	R= 15.6Re	14- 1976/249/ 3.67H	R= 1.7Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/247/13.00H TO 1976/249/14.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE NUMBERS

1- 1976/249/ 19.17H	LAT= 67.7	11- 1976/251/ 9.00H	LAT= 22.2
2- 1976/250/ 0.17H	LAT= 79.4	12- 1976/251/ 6.50H	LAT= -69.9
3- 1976/250/ 4.67H	LAT= 81.7	13- 1976/251/ 6.67H	LAT= -70.4
4- 1976/250/ 9.17H	LAT= 81.3	14- 1976/251/ 6.92H	LAT= -69.4
5- 1976/250/ 12.67H	LAT= 79.1	15- 1976/251/ 7.33H	LAT= -9.0
6- 1976/250/ 16.67H	LAT= 75.0	16- 1976/251/ 7.93H	LAT= 14.4
7- 1976/250/ 19.17H	LAT= 71.5	17- 1976/251/ 9.00H	LAT= 33.6
8- 1976/250/ 20.00H	LAT= 70.1	18- 1976/251/ 10.03H	LAT= 40.4
9- 1976/250/ 21.67H	LAT= 66.9		
10- 1976/251/ 2.50H	LAT= 50.6		

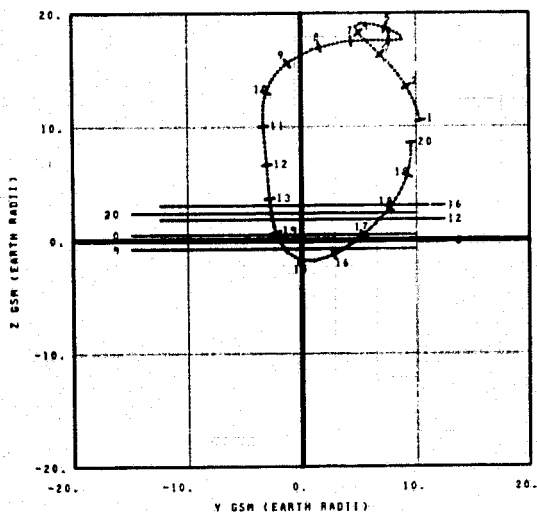
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/249/19.00H TO 1976/251/19.00H

HAWKEYE-1

PROJECTED ONTO THE GSM V-Z PLANE



INTERPRETATION OF TIME CODE NUMBERS

1- 1976/249/ 19.17H	R= 15.4RE	11- 1976/251/ 1.00H	R= 10.7RE
2- 1976/249/ 16.50H	R= 16.9RE	12- 1976/251/ 3.33H	R= 7.5RE
3- 1976/249/ 19.17H	R= 10.2RE	13- 1976/251/ 4.03H	R= 4.9RE
4- 1976/249/ 22.17H	R= 19.3RE	14- 1976/251/ 5.92H	R= 2.7RE
5- 1976/250/ 9.17H	R= 20.3RE	15- 1976/251/ 6.75H	R= 1.7RE
6- 1976/250/ 12.17H	R= 19.2RE	16- 1976/251/ 7.67H	R= 3.5RE
7- 1976/250/ 15.17H	R= 10.1RE	17- 1976/251/ 9.00H	R= 6.1RE
8- 1976/250/ 17.17H	R= 17.1RE	18- 1976/251/ 10.03H	R= 0.9RE
9- 1976/250/ 19.50H	R= 15.7RE	19- 1976/251/ 13.00H	R= 11.5RE
10- 1976/250/ 22.33H	R= 13.4RE	20- 1976/251/ 15.00H	R= 13.5RE

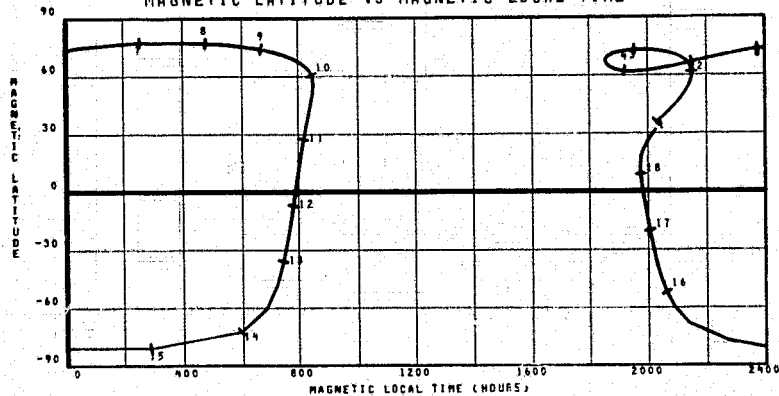
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/249/19.00H TO 1976/251/15.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

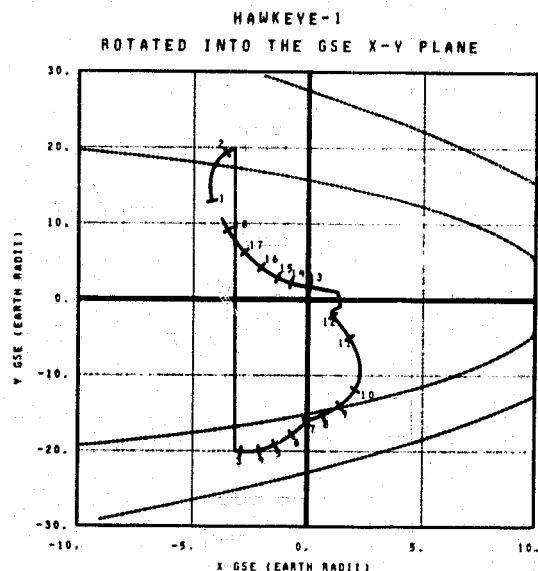


INTERPRETATION OF TIME CODE NUMBERS

1- 1976/249/ 19.17H	R= 15.4RE	11- 1976/251/ 1.00H	R= 10.7RE
2- 1976/249/ 16.50H	R= 16.9RE	12- 1976/251/ 3.33H	R= 7.5RE
3- 1976/250/ 0.17H	R= 20.1RE	13- 1976/251/ 4.03H	R= 4.9RE
4- 1976/250/ 4.67H	R= 19.0RE	14- 1976/251/ 5.92H	R= 2.7RE
5- 1976/250/ 9.17H	R= 19.1RE	15- 1976/251/ 6.75H	R= 1.7RE
6- 1976/250/ 12.67H	R= 18.1RE	16- 1976/251/ 7.67H	R= 3.5RE
7- 1976/250/ 16.67H	R= 14.9RE	17- 1976/251/ 9.00H	R= 6.1RE
8- 1976/250/ 19.17H	R= 14.9RE	18- 1976/251/ 10.03H	R= 0.9RE
9- 1976/250/ 20.00H	R= 14.9RE	19- 1976/251/ 13.00H	R= 11.5RE
10- 1976/250/ 21.67H	R= 14.9RE	20- 1976/251/ 15.00H	R= 13.5RE

TIME AS YEAR/DAY/HOUR

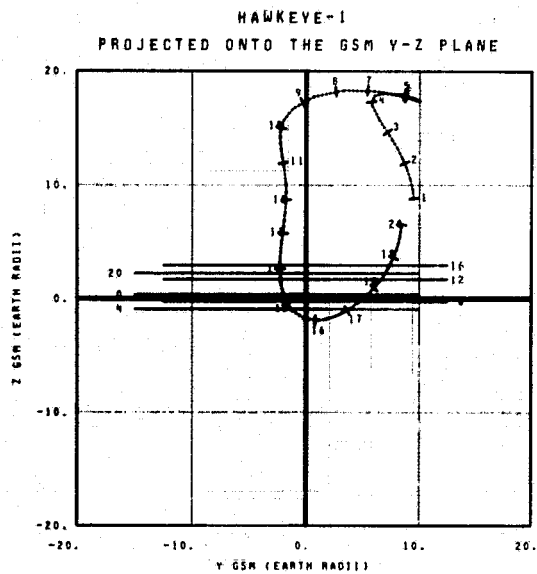
TIME INTERVAL OF PLOT 1976/249/19.00H TO 1976/251/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/251/ 15.17H	LAT= 63.3	11- 1976/253/ 7.03H	LAT= 30.9
2- 1976/252/ 3.00H	LAT= 79.1	12- 1976/253/ 9.25H	LAT= -17.9
3- 1976/252/ 7.50H	LAT= 81.9	13- 1976/253/ 9.92H	LAT= -72.9
4- 1976/252/ 12.00H	LAT= 81.9	14- 1976/253/ 10.33H	LAT= -24.3
5- 1976/252/ 15.50H	LAT= 79.5	15- 1976/253/ 10.75H	LAT= 0.9
6- 1976/252/ 19.00H	LAT= 76.1	16- 1976/253/ 11.50H	LAT= 22.0
7- 1976/252/ 22.00H	LAT= 72.2	17- 1976/253/ 12.47H	LAT= 30.3
8- 1976/252/ 23.33H	LAT= 70.0	18- 1976/253/ 14.75H	LAT= 31.0
9- 1976/253/ 0.03H	LAT= 67.1		
10- 1976/253/ 3.00H	LAT= 61.7		

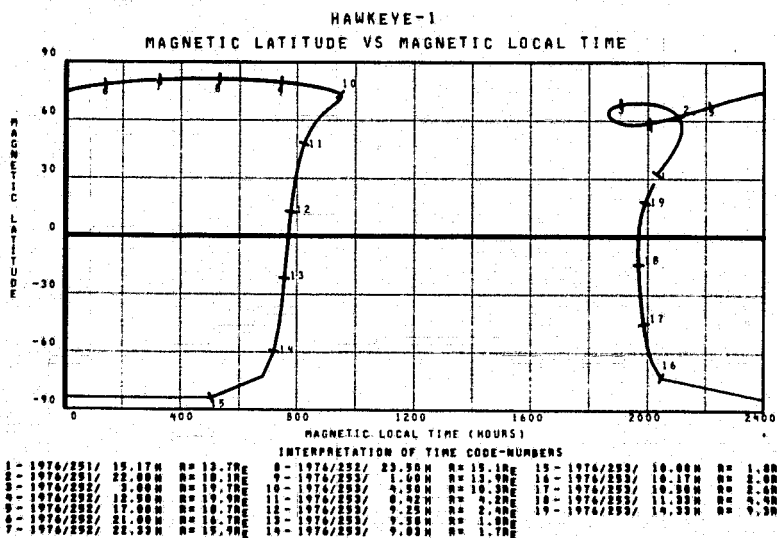
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/251/15.00H TO 1976/253/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/251/ 15.17H	R= 13.7R _E	11- 1976/253/ 2.03H	R= 12.2R _E
2- 1976/251/ 17.33H	R= 15.4R _E	12- 1976/253/ 5.50H	R= 9.0R _E
3- 1976/251/ 19.47H	R= 16.9R _E	13- 1976/253/ 7.25H	R= 6.0R _E
4- 1976/251/ 23.50H	R= 16.7R _E	14- 1976/253/ 9.50H	R= 3.0R _E
5- 1976/252/ 5.50H	R= 20.1R _E	15- 1976/253/ 9.50H	R= 1.9R _E
6- 1976/252/ 12.50H	R= 19.9R _E	16- 1976/253/ 10.25H	R= 2.1R _E
7- 1976/252/ 15.50H	R= 19.2R _E	17- 1976/253/ 11.23H	R= 4.2R _E
8- 1976/252/ 17.50H	R= 18.5R _E	18- 1976/253/ 12.50H	R= 6.7R _E
9- 1976/252/ 20.00H	R= 17.3R _E	19- 1976/253/ 14.25H	R= 9.3R _E
10- 1976/252/ 23.33H	R= 15.2R _E	20- 1976/253/ 16.00H	R= 11.3R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/251/15.00H TO 1976/253/16.00H

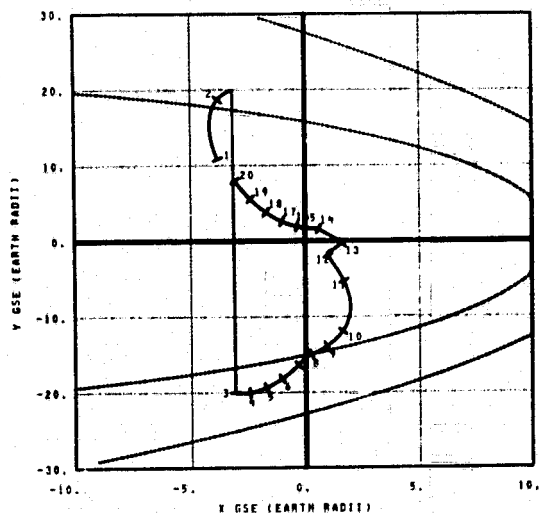


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/251/ 15.17H	R= 13.7R _E	9- 1976/252/ 23.50H	R= 15.1R _E	15- 1976/253/ 10.00H	R= 1.0R _E
2- 1976/251/ 17.33H	R= 15.4R _E	10- 1976/253/ 4.50H	R= 10.3R _E	16- 1976/253/ 10.17H	R= 2.0R _E
3- 1976/252/ 3.00H	R= 19.7R _E	11- 1976/253/ 8.42H	R= 4.2R _E	17- 1976/253/ 10.50H	R= 2.0R _E
4- 1976/252/ 7.50H	R= 19.9R _E	12- 1976/253/ 9.25H	R= 1.0R _E	18- 1976/253/ 11.33H	R= 4.0R _E
5- 1976/252/ 12.00H	R= 16.7R _E	13- 1976/253/ 9.92H	R= 1.0R _E	19- 1976/253/ 14.25H	R= 9.3R _E
6- 1976/252/ 15.50H	R= 16.7R _E	14- 1976/253/ 9.92H	R= 1.7R _E		
7- 1976/252/ 19.00H	R= 16.7R _E				
8- 1976/252/ 22.00H	R= 16.7R _E				
9- 1976/252/ 23.33H	R= 15.2R _E				

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/251/15.00H TO 1976/253/16.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

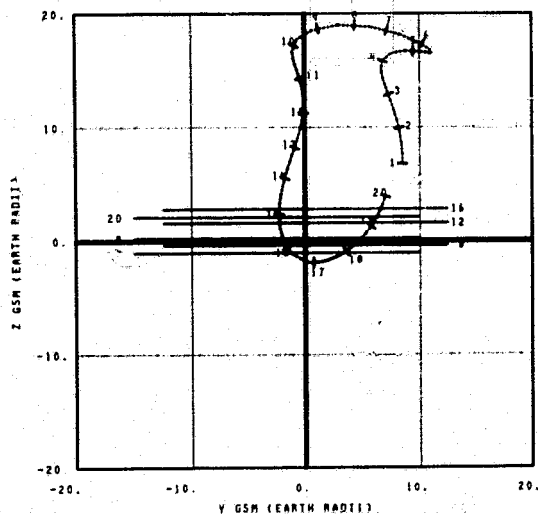


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/253/ 16.17H	LAT= 57.3	11- 1976/253/ 10.92H	LAT= 32.9
2- 1976/254/ 3.03H	LAT= 77.0	12- 1976/253/ 12.50H	LAT= -20.7
3- 1976/254/ 9.03H	LAT= 01.2	13- 1976/253/ 13.00H	LAT= -00.9
4- 1976/254/ 13.03H	LAT= 01.0	14- 1976/253/ 13.00H	LAT= -70.1
5- 1976/254/ 17.03H	LAT= 00.1	15- 1976/253/ 13.17H	LAT= -45.2
6- 1976/254/ 21.03H	LAT= 77.1	16- 1976/253/ 13.35H	LAT= -43.1
7- 1976/253/ 0.03H	LAT= 72.0	17- 1976/253/ 13.73H	LAT= -7.7
8- 1976/253/ 2.03H	LAT= 69.5	18- 1976/253/ 14.43H	LAT= 16.6
9- 1976/253/ 4.17H	LAT= 66.9	19- 1976/253/ 15.42H	LAT= 23.6
10- 1976/253/ 6.17H	LAT= 61.0	20- 1976/253/ 17.00H	LAT= 46.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/253/16.00H TO 1976/253/17.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

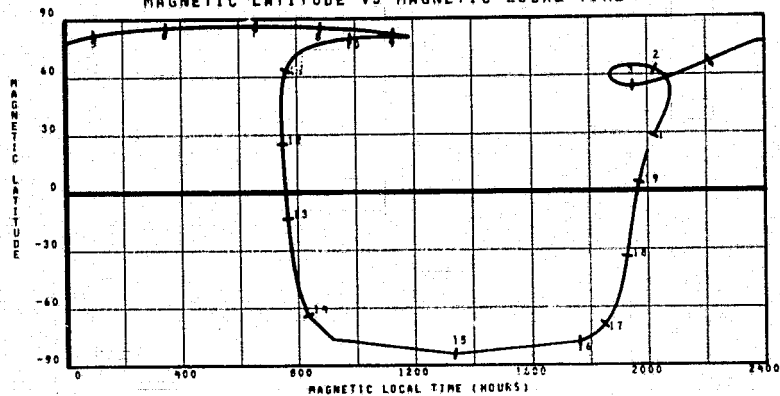


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/253/ 16.17H	R= 11.5Rg	11- 1976/253/ 3.67H	R= 14.3Rg
2- 1976/253/ 10.17H	R= 13.5Rg	12- 1976/253/ 6.03H	R= 11.3Rg
3- 1976/254/ 20.50H	R= 15.4Rg	13- 1976/253/ 9.17H	R= 6.4Rg
4- 1976/254/ 0.33H	R= 17.7Rg	14- 1976/253/ 10.67H	R= 6.0Rg
5- 1976/254/ 5.33H	R= 19.5Rg	15- 1976/253/ 11.92H	R= 3.9Rg
6- 1976/254/ 12.33H	R= 20.3Rg	16- 1976/253/ 12.75H	R= 1.9Rg
7- 1976/254/ 19.33H	R= 20.0Rg	17- 1976/253/ 13.42H	R= 2.1Rg
8- 1976/254/ 17.33H	R= 19.6Rg	18- 1976/253/ 14.33H	R= 4.0Rg
9- 1976/254/ 19.03H	R= 10.0Rg	19- 1976/253/ 15.50H	R= 6.4Rg
10- 1976/254/ 23.33H	R= 17.2Rg	20- 1976/253/ 17.00H	R= 0.0Rg

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/253/16.00H TO 1976/253/17.00H

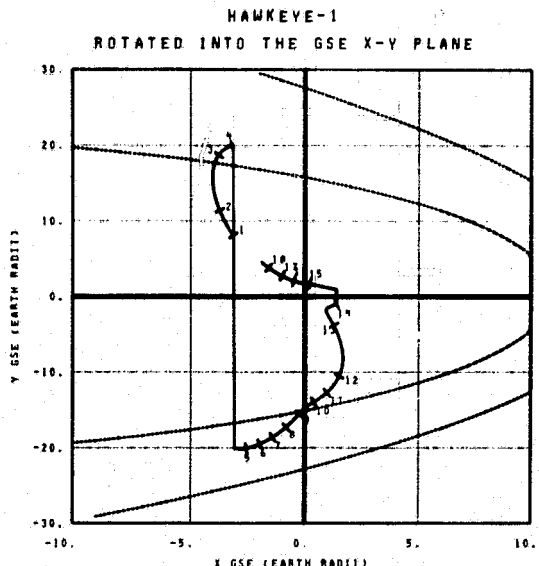
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/253/ 16.17H	R= 11.5Rg	11- 1976/253/ 3.67H	R= 14.3Rg
2- 1976/253/ 10.17H	R= 13.5Rg	12- 1976/253/ 6.03H	R= 11.3Rg
3- 1976/254/ 20.50H	R= 15.4Rg	13- 1976/253/ 9.17H	R= 6.4Rg
4- 1976/254/ 0.33H	R= 17.7Rg	14- 1976/253/ 10.67H	R= 6.0Rg
5- 1976/254/ 5.33H	R= 19.5Rg	15- 1976/253/ 11.92H	R= 3.9Rg
6- 1976/254/ 12.33H	R= 20.3Rg	16- 1976/253/ 12.75H	R= 1.9Rg
7- 1976/254/ 19.33H	R= 20.0Rg	17- 1976/253/ 13.42H	R= 2.1Rg
8- 1976/254/ 17.33H	R= 19.6Rg	18- 1976/253/ 14.33H	R= 4.0Rg
9- 1976/254/ 19.03H	R= 10.0Rg	19- 1976/253/ 15.50H	R= 6.4Rg
10- 1976/254/ 23.33H	R= 17.2Rg	20- 1976/253/ 17.00H	R= 0.0Rg

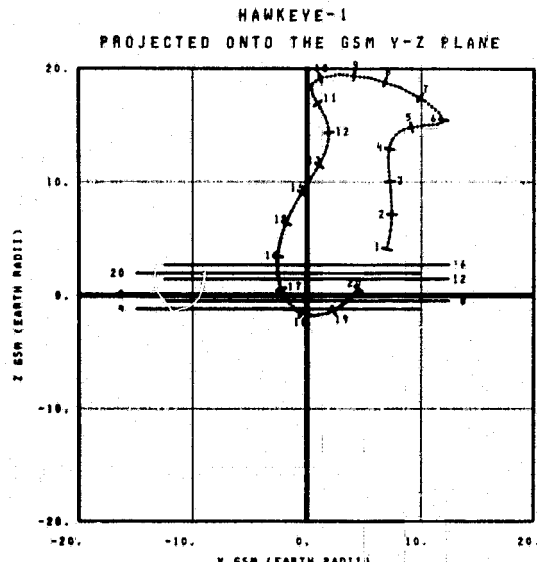
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/253/16.00H TO 1976/253/17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 17.00H	LAT= 47.3	11- 1976/257/ 0.67H	LAT= 63.9
2- 1976/259/ 19.03H	LAT= 50.7	12- 1976/257/ 10.67H	LAT= 57.6
3- 1976/256/ 7.00H	LAT= 76.9	13- 1976/257/ 14.92H	LAT= 17.2
4- 1976/256/ 12.50H	LAT= 81.0	14- 1976/257/ 16.17H	LAT= -75.9
5- 1976/256/ 17.00H	LAT= 81.0	15- 1976/257/ 16.33H	LAT= -72.7
6- 1976/256/ 20.50H	LAT= 80.5	16- 1976/257/ 16.67H	LAT= -31.7
7- 1976/256/ 23.50H	LAT= 70.2	17- 1976/257/ 17.03H	LAT= -9.5
8- 1976/257/ 2.50H	LAT= 74.9	18- 1976/257/ 17.62H	LAT= 16.0
9- 1976/257/ 5.33H	LAT= 70.8		
10- 1976/257/ 7.33H	LAT= 67.0		

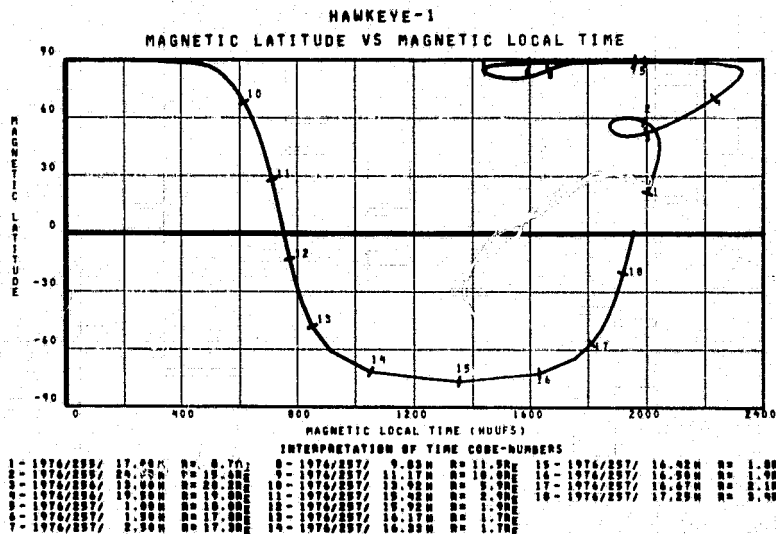
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/259/17.00H TO 1976/257/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 17.00H	R= 0.70E	11- 1976/257/ 3.00H	R= 17.00E
2- 1976/259/ 19.03H	R= 10.90E	12- 1976/257/ 6.67H	R= 14.50E
3- 1976/256/ 7.00H	R= 19.00E	13- 1976/257/ 9.03H	R= 11.50E
4- 1976/256/ 12.50H	R= 19.30E	14- 1976/257/ 11.03H	R= 9.10E
5- 1976/256/ 17.00H	R= 17.90E	15- 1976/257/ 13.42H	R= 6.00E
6- 1976/256/ 20.50H	R= 19.90E	16- 1976/257/ 14.67H	R= 4.90E
7- 1976/256/ 23.50H	R= 20.30E	17- 1976/257/ 15.90H	R= 2.00E
8- 1976/257/ 2.50H	R= 20.20E	18- 1976/257/ 16.29H	R= 1.70E
9- 1976/256/ 5.33H	R= 20.00E	19- 1976/257/ 17.00H	R= 2.00E
10- 1976/256/ 7.33H	R= 19.90E	20- 1976/257/ 18.00H	R= 4.90E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/259/17.00H TO 1976/257/10.00H



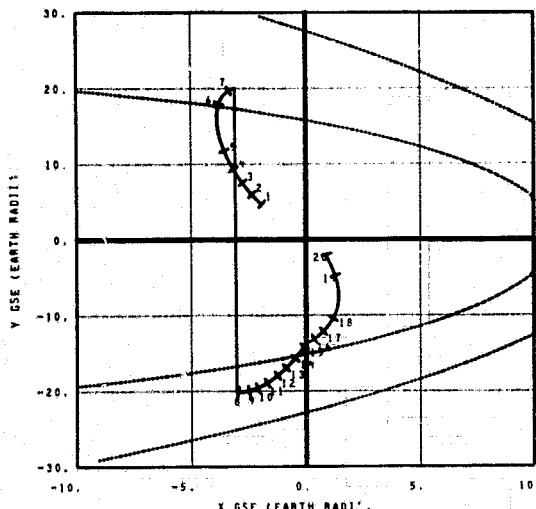
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 17.00H	R= 0.70E	11- 1976/257/ 3.00H	R= 17.00E
2- 1976/259/ 19.03H	R= 10.90E	12- 1976/257/ 6.67H	R= 14.50E
3- 1976/256/ 7.00H	R= 19.00E	13- 1976/257/ 9.03H	R= 11.50E
4- 1976/256/ 12.50H	R= 19.30E	14- 1976/257/ 11.03H	R= 9.10E
5- 1976/256/ 17.00H	R= 17.90E	15- 1976/257/ 13.42H	R= 6.00E
6- 1976/256/ 20.50H	R= 19.90E	16- 1976/257/ 14.67H	R= 4.90E
7- 1976/256/ 23.50H	R= 20.30E	17- 1976/257/ 15.90H	R= 2.00E
8- 1976/257/ 2.50H	R= 20.20E	18- 1976/257/ 16.29H	R= 1.70E
9- 1976/256/ 5.33H	R= 20.00E	19- 1976/257/ 17.00H	R= 2.00E
10- 1976/256/ 7.33H	R= 19.90E	20- 1976/257/ 18.00H	R= 4.90E

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/259/17.00H TO 1976/257/10.00H

HAWKEYE-1

ROTATED INTO THE GSM X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/257/ 10.00H	LAT= 25.0	11- 1976/259/ 1.03H	LAT= 79.0
2- 1976/257/ 10.03H	LAT= 39.9	12- 1976/259/ 4.33H	LAT= 76.5
3- 1976/257/ 19.03H	LAT= 44.9	13- 1976/259/ 6.33H	LAT= 74.2
4- 1976/257/ 21.17H	LAT= 51.0	14- 1976/259/ 8.33H	LAT= 71.2
5- 1976/257/ 23.33H	LAT= 59.5	15- 1976/259/ 10.33H	LAT= 67.5
6- 1976/258/ 0.33H	LAT= 74.9	16- 1976/259/ 11.50H	LAT= 64.9
7- 1976/258/ 13.03H	LAT= 79.0	17- 1976/259/ 12.50H	LAT= 62.2
8- 1976/258/ 17.33H	LAT= 81.6	18- 1976/259/ 14.00H	LAT= 57.1
9- 1976/258/ 20.03H	LAT= 81.7	19- 1976/259/ 17.47H	LAT= 27.6
10- 1976/258/ 23.33H	LAT= 86.7	20- 1976/259/ 19.00H	LAT= -20.4

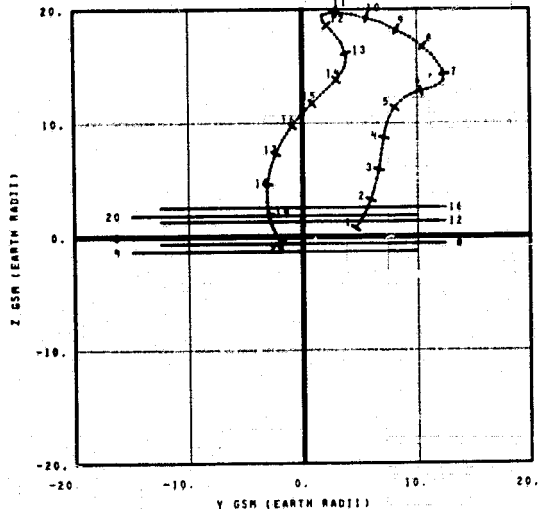
TIME AS YEAR/DAY/HOUR

LAT IS GSM LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/257/10.00H TO 1976/259/19.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/257/ 10.00H	R= 5.1RE	11- 1976/259/ 20.03H	R= 20.1RE
2- 1976/257/ 19.03H	R= 7.0RE	12- 1976/259/ 2.33H	R= 18.0RE
3- 1976/257/ 20.03H	R= 9.0RE	13- 1976/259/ 6.03H	R= 16.0RE
4- 1976/257/ 22.03H	R= 11.0RE	14- 1976/259/ 10.33H	R= 14.1RE
5- 1976/258/ 1.67H	R= 14.9RE	15- 1976/259/ 12.03H	R= 11.0RE
6- 1976/258/ 5.33H	R= 16.9RE	16- 1976/259/ 14.50H	R= 9.0RE
7- 1976/258/ 10.03H	R= 19.3RE	17- 1976/259/ 16.00H	R= 7.0RE
8- 1976/258/ 14.33H	R= 20.0RE	18- 1976/259/ 17.25H	R= 5.1RE
9- 1976/258/ 16.33H	R= 20.3RE	19- 1976/259/ 18.25H	R= 3.7RE
10- 1976/258/ 18.33H	R= 20.3RE	20- 1976/259/ 19.00H	R= 2.1RE

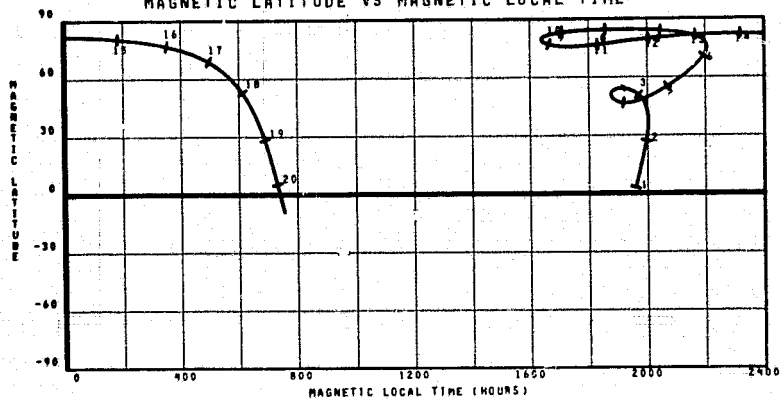
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/257/10.00H TO 1976/259/19.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

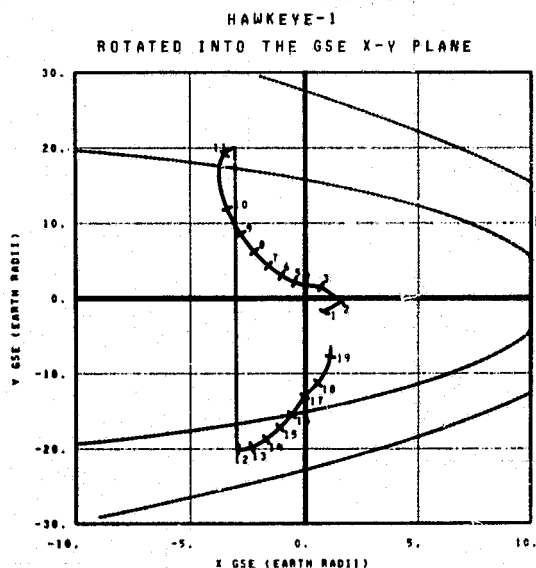


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/257/ 10.00H	R= 5.1RE	11- 1976/259/ 1.03H	R= 19.1RE	15- 1976/259/ 14.33H	R= 10.0RE
2- 1976/257/ 19.03H	R= 7.0RE	12- 1976/259/ 4.33H	R= 17.0RE	16- 1976/259/ 15.33H	R= 9.0RE
3- 1976/257/ 20.03H	R= 9.0RE	13- 1976/259/ 6.33H	R= 15.0RE	17- 1976/259/ 16.33H	R= 8.0RE
4- 1976/257/ 21.17H	R= 11.0RE	14- 1976/259/ 8.33H	R= 13.0RE	18- 1976/259/ 17.00H	R= 7.0RE
5- 1976/258/ 1.67H	R= 14.9RE	15- 1976/259/ 10.33H	R= 11.0RE	19- 1976/259/ 17.47H	R= 5.1RE
6- 1976/258/ 5.33H	R= 16.9RE	16- 1976/259/ 11.50H	R= 9.0RE	20- 1976/259/ 19.00H	R= 2.1RE
7- 1976/258/ 10.03H	R= 19.3RE	17- 1976/259/ 12.50H	R= 7.0RE		
8- 1976/258/ 14.33H	R= 20.0RE	18- 1976/259/ 14.00H	R= 5.1RE		
9- 1976/258/ 16.33H	R= 20.3RE	19- 1976/259/ 17.47H	R= 2.1RE		
10- 1976/258/ 18.33H	R= 20.3RE	20- 1976/259/ 19.00H	R= 2.1RE		

TIME AS YEAR/DAY/HOUR

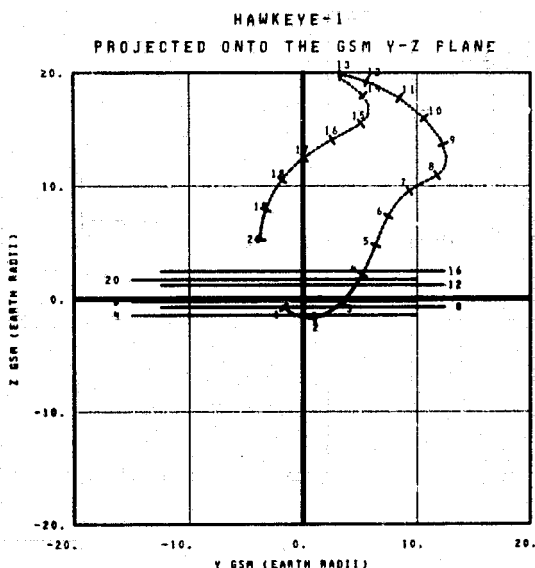
TIME INTERVAL OF PLOT 1976/257/10.00H TO 1976/259/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 19.00H LAT= -37.2	11- 1976/261/ 17.00H LAT= 70.3
2- 1976/259/ 19.02H LAT= -80.5	12- 1976/260/ 21.00H LAT= 81.7
3- 1976/259/ 19.50H LAT= -78.2	13- 1976/261/ 1.50H LAT= 81.3
4- 1976/259/ 19.58H LAT= -67.0	14- 1976/261/ 9.50H LAT= 78.7
5- 1976/259/ 19.52H LAT= -27.9	15- 1976/261/ 9.00H LAT= 79.9
6- 1976/259/ 20.00H LAT= 1.9	16- 1976/261/ 11.03H LAT= 78.0
7- 1976/259/ 21.00H LAT= 21.0	17- 1976/261/ 14.03H LAT= 69.7
8- 1976/259/ 22.17H LAT= 37.1	18- 1976/261/ 16.50H LAT= 59.0
9- 1976/259/ 23.75H LAT= 48.6	19- 1976/261/ 19.17H LAT= 47.0
10- 1976/260/ 2.67H LAT= 59.8	

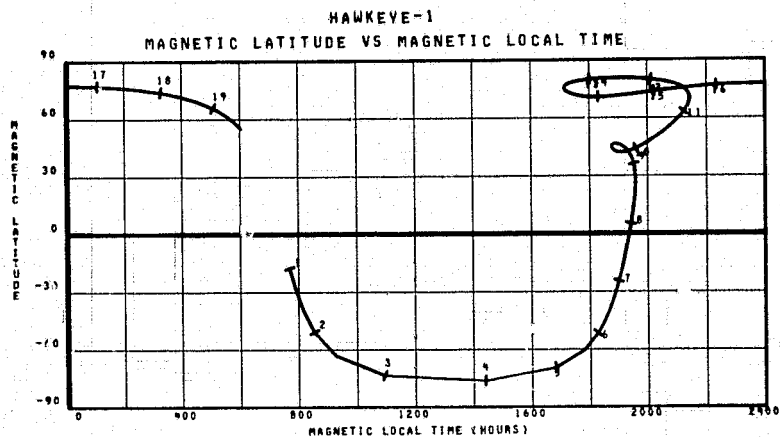
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/259/19.00H TO 1976/261/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 19.00H R= 2.0R _E	11- 1976/260/ 17.00H R= 20.0R _E
2- 1976/259/ 19.75H R= 1.9R _E	12- 1976/260/ 19.50H R= 20.3R _E
3- 1976/259/ 20.57H R= 3.6R _E	13- 1976/260/ 23.00H R= 20.2R _E
4- 1976/259/ 21.75H R= 5.9R _E	14- 1976/261/ 9.50H R= 16.0R _E
5- 1976/259/ 23.25H R= 8.3R _E	15- 1976/261/ 16.50H R= 16.3R _E
6- 1976/260/ 1.25H R= 10.9R _E	16- 1976/261/ 15.33H R= 14.3R _E
7- 1976/260/ 4.17H R= 13.0R _E	17- 1976/261/ 15.33H R= 12.5R _E
8- 1976/260/ 7.03H R= 16.5R _E	18- 1976/261/ 17.00H R= 10.7R _E
9- 1976/260/ 12.50H R= 10.0R _E	19- 1976/261/ 10.67H R= 8.6R _E
10- 1976/260/ 15.00H R= 19.5R _E	20- 1976/261/ 20.00H R= 6.9R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/259/19.00H TO 1976/261/20.00H

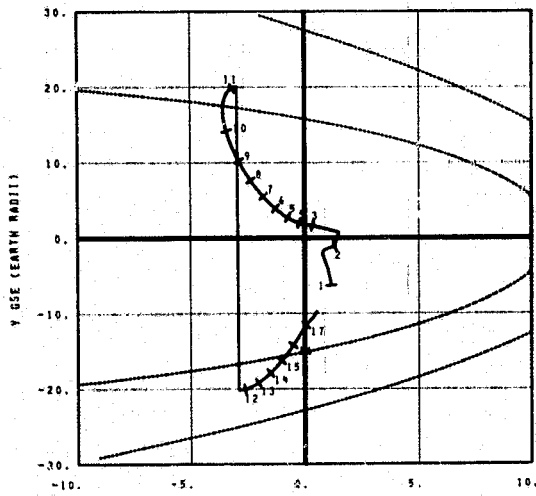


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/259/ 19.00H R= 2.0R _E	8- 1976/259/ 20.00H R= 4.5R _E	15- 1976/261/ 12.33H R= 19.1R _E
2- 1976/259/ 19.33H R= 1.7R _E	9- 1976/259/ 23.50H R= 8.7R _E	16- 1976/261/ 14.00H R= 13.0R _E
3- 1976/259/ 19.50H R= 1.7R _E	10- 1976/260/ 12.50H R= 10.0R _E	17- 1976/261/ 15.00H R= 13.0R _E
4- 1976/259/ 19.58H R= 1.7R _E	11- 1976/260/ 19.00H R= 20.0R _E	18- 1976/261/ 17.00H R= 10.3R _E
5- 1976/259/ 19.67H R= 1.0R _E	12- 1976/260/ 24.00H R= 20.1R _E	19- 1976/261/ 16.00H R= 8.3R _E
6- 1976/259/ 20.10H R= 2.0R _E	13- 1976/261/ 2.00H R= 19.0R _E	
7- 1976/259/ 20.10H R= 2.0R _E	14- 1976/261/ 9.00H R= 17.2R _E	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/259/19.00H TO 1976/261/20.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

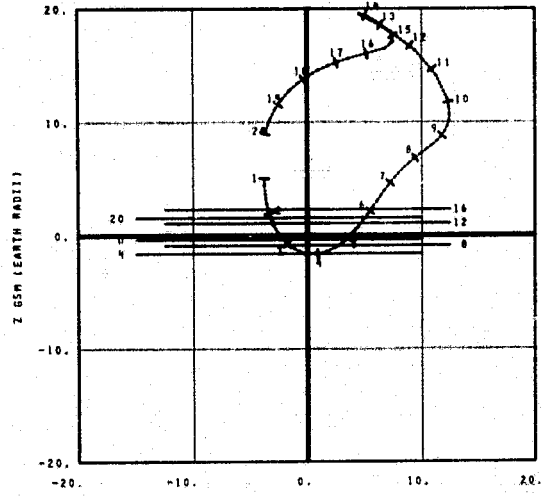
1 - 1976/261/ 20.00H	LAT= 30.9	11 - 1976/262/ 21.33H	LAT= 80.4
2 - 1976/261/ 22.50H	LAT= -75.4	12 - 1976/263/ 2.03H	LAT= 81.0
3 - 1976/261/ 22.75H	LAT= -73.0	13 - 1976/263/ 7.33H	LAT= 79.0
4 - 1976/261/ 23.00H	LAT= -40.3	14 - 1976/263/ 10.03H	LAT= 76.4
5 - 1976/261/ 23.12H	LAT= -7.3	15 - 1976/263/ 13.03H	LAT= 72.0
6 - 1976/262/ 0.03H	LAT= 15.9	16 - 1976/263/ 14.67H	LAT= 67.9
7 - 1976/262/ 0.92H	LAT= 31.9	17 - 1976/263/ 19.50H	LAT= 60.4
8 - 1976/262/ 2.25H	LAT= 44.3		
9 - 1976/262/ 4.25H	LAT= 54.4		
10 - 1976/262/ 8.33H	LAT= 69.4		

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/261/20.00H TO 1976/263/21.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

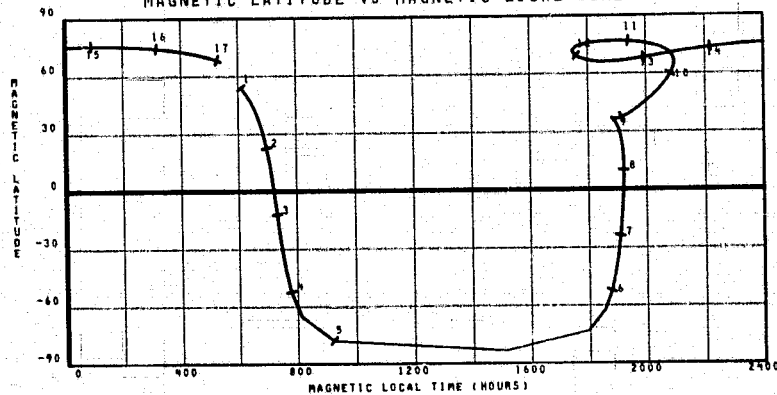
1 - 1976/261/ 20.00H	R= 6.40R _E	11 - 1976/262/ 15.33H	R= 10.40R _E
2 - 1976/261/ 21.33H	R= 4.00R _E	12 - 1976/262/ 17.33H	R= 19.30R _E
3 - 1976/261/ 22.25H	R= 2.10R _E	13 - 1976/262/ 19.03H	R= 19.90R _E
4 - 1976/261/ 22.92H	R= 1.90R _E	14 - 1976/263/ 2.33H	R= 20.20R _E
5 - 1976/261/ 23.00H	R= 3.70R _E	15 - 1976/263/ 7.33H	R= 19.30R _E
6 - 1976/262/ 1.00H	R= 4.10R _E	16 - 1976/263/ 12.03H	R= 16.90R _E
7 - 1976/262/ 2.92H	R= 9.00R _E	17 - 1976/263/ 15.00H	R= 15.90R _E
8 - 1976/262/ 5.50H	R= 12.00R _E	18 - 1976/263/ 17.17H	R= 13.00R _E
9 - 1976/262/ 9.00H	R= 15.10R _E	19 - 1976/263/ 19.17H	R= 13.90R _E
10 - 1976/262/ 12.67H	R= 17.40R _E	20 - 1976/263/ 21.00H	R= 9.70R _E

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/261/20.00H TO 1976/263/21.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

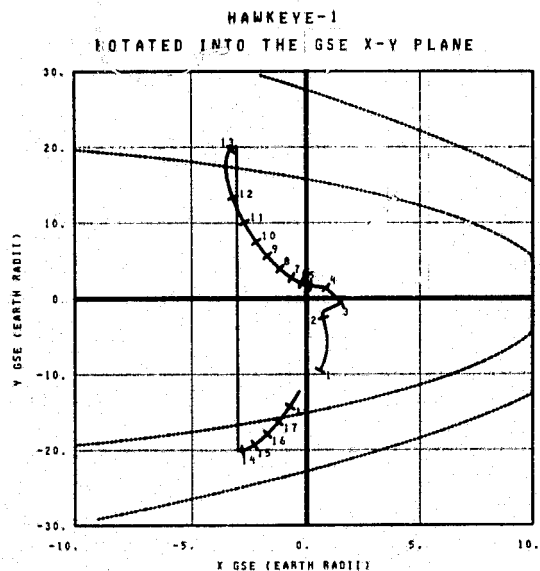


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/261/ 20.00H	R= 6.40R _E	8 - 1976/262/ 0.27H	R= 4.40R _E	15 - 1976/263/ 17.00H	R= 13.00R _E
2 - 1976/261/ 21.33H	R= 3.90R _E	9 - 1976/262/ 10.03H	R= 10.20R _E	16 - 1976/263/ 19.00H	R= 12.00R _E
3 - 1976/261/ 22.17H	R= 2.90R _E	10 - 1976/262/ 10.03H	R= 10.20R _E	17 - 1976/263/ 20.03H	R= 10.00R _E
4 - 1976/261/ 22.50H	R= 1.70R _E	11 - 1976/263/ 0.33H	R= 20.30R _E		
5 - 1976/261/ 22.67H	R= 1.70R _E	12 - 1976/263/ 0.33H	R= 19.70R _E		
6 - 1976/261/ 23.00H	R= 2.40R _E	13 - 1976/263/ 10.03H	R= 17.20R _E		
7 - 1976/261/ 23.33H	R= 2.40R _E	14 - 1976/263/ 10.33H	R= 15.20R _E		

TIME AS YEAR/DAY/HOUR

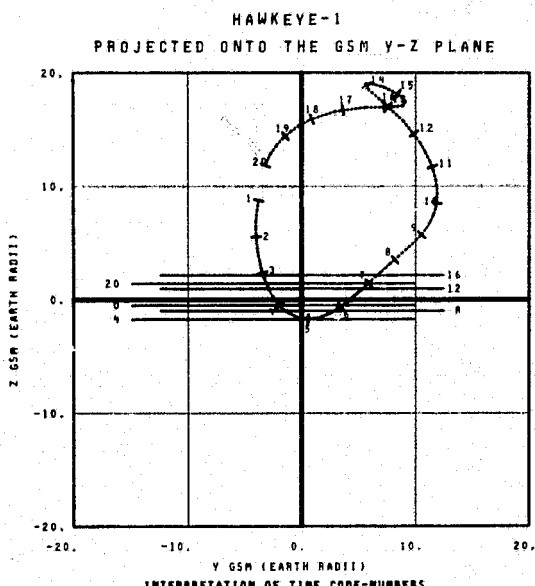
TIME INTERVAL OF PLOT 1976/261/20.00H TO 1976/263/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/263/ 21.17H	LAT= 59.1	11- 1976/264/ 7.25H	LAT= 53.4
2- 1976/264/ 1.17H	LAT= -8.3	12- 1976/264/ 10.50H	LAT= 63.2
3- 1976/264/ 1.83H	LAT= -80.1	13- 1976/264/ 23.50H	LAT= 79.8
4- 1976/264/ 1.92H	LAT= -78.7	14- 1976/265/ 5.50H	LAT= 81.8
5- 1976/264/ 2.00H	LAT= -67.5	15- 1976/265/ 10.00H	LAT= 80.2
6- 1976/264/ 2.25H	LAT= -34.2	16- 1976/265/ 14.00H	LAT= 76.7
7- 1976/264/ 2.43H	LAT= -6.9	17- 1976/265/ 17.00H	LAT= 72.9
8- 1976/264/ 3.23H	LAT= 15.7	18- 1976/265/ 19.03H	LAT= 68.1
9- 1976/264/ 4.17H	LAT= 32.5		
10- 1976/264/ 5.33H	LAT= 43.4		

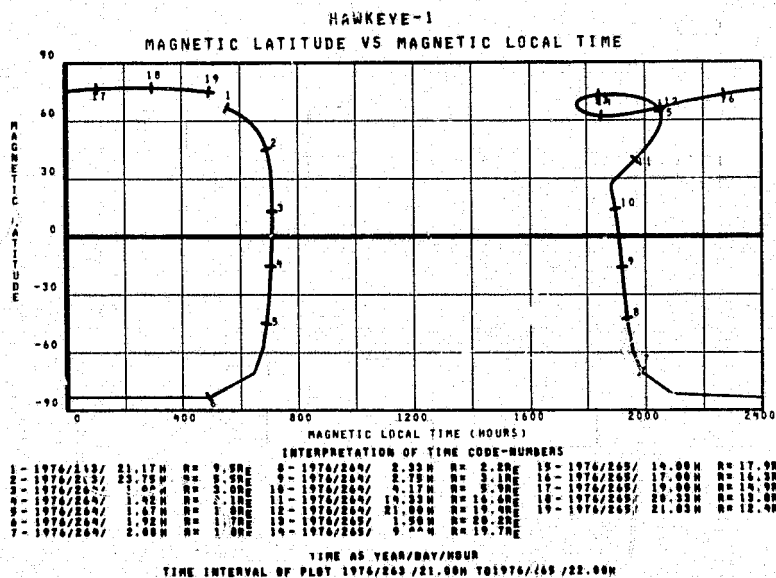
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/263/21.00H TO 1976/265/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/263/ 21.17H	R= 9.9RE	11- 1976/264/ 14.47H	R= 16.0RE
2- 1976/263/ 23.00H	R= 6.9RE	12- 1976/264/ 17.00H	R= 18.0RE
3- 1976/264/ 0.42H	R= 4.3RE	13- 1976/264/ 19.50H	R= 19.0RE
4- 1976/264/ 1.42H	R= 2.1RE	14- 1976/264/ 23.00H	R= 19.9RE
5- 1976/264/ 2.00H	R= 1.8RE	15- 1976/265/ 6.00H	R= 20.2RE
6- 1976/264/ 3.00H	R= 3.6RE	16- 1976/265/ 12.50H	R= 18.6RE
7- 1976/264/ 4.42H	R= 6.4RE	17- 1976/265/ 15.50H	R= 17.2RE
8- 1976/264/ 6.33H	R= 9.2RE	18- 1976/265/ 17.50H	R= 14.0RE
9- 1976/264/ 9.00H	R= 12.3RE	19- 1976/265/ 19.50H	R= 14.5RE
10- 1976/264/ 12.00H	R= 15.0RE	20- 1976/265/ 22.00H	R= 12.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/263/21.00H TO 1976/265/22.00H

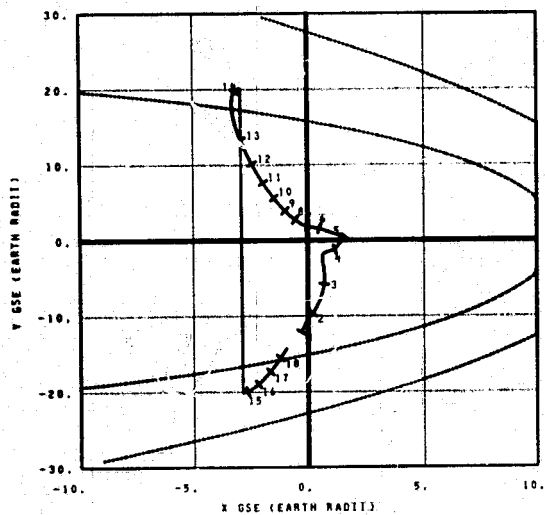


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/263/ 21.17H	R= 9.9RE	6- 1976/264/ 2.25H	R= 5.1RE	15- 1976/265/ 14.00H	R= 17.9RE
2- 1976/263/ 23.00H	R= 6.9RE	7- 1976/264/ 2.75H	R= 5.1RE	16- 1976/265/ 17.00H	R= 16.3RE
3- 1976/264/ 1.04H	R= 3.0RE	8- 1976/264/ 1.42H	R= 3.0RE	17- 1976/265/ 19.00H	R= 14.0RE
4- 1976/264/ 1.42H	R= 3.0RE	9- 1976/264/ 1.67H	R= 3.0RE	18- 1976/265/ 21.00H	R= 12.4RE
5- 1976/264/ 1.92H	R= 1.8RE	10- 1976/264/ 2.00H	R= 1.8RE	19- 1976/265/ 21.00H	R= 12.4RE
6- 1976/264/ 3.00H	R= 3.6RE	11- 1976/264/ 4.17H	R= 16.0RE		
7- 1976/264/ 4.42H	R= 6.4RE	12- 1976/264/ 6.33H	R= 9.2RE		
8- 1976/264/ 6.33H	R= 9.2RE	13- 1976/264/ 9.00H	R= 12.3RE		
9- 1976/264/ 9.00H	R= 12.3RE	14- 1976/265/ 5.50H	R= 19.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/263/21.00H TO 1976/265/22.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

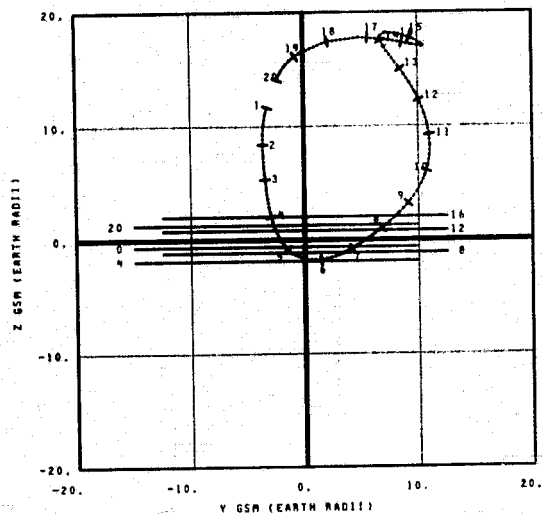


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/265/ 22.17H	LAT= 62.4	11 - 1976/266/ 0.50H	LAT= 43.7
2 - 1976/266/ 0.33H	LAT= 54.5	12 - 1976/266/ 10.50H	LAT= 93.0
3 - 1976/266/ 2.03H	LAT= 35.3	13 - 1976/266/ 13.47H	LAT= 63.1
4 - 1976/266/ 3.00H	LAT= -74.5	14 - 1976/267/ 2.33H	LAT= 79.5
5 - 1976/266/ 5.02H	LAT= -81.0	15 - 1976/267/ 9.03H	LAT= 81.7
6 - 1976/266/ 5.17H	LAT= -73.0	16 - 1976/267/ 14.33H	LAT= 79.5
7 - 1976/266/ 5.33H	LAT= -50.9	17 - 1976/267/ 18.33H	LAT= 79.5
8 - 1976/266/ 5.03H	LAT= -7.5	18 - 1976/267/ 21.33H	LAT= 71.2
9 - 1976/266/ 6.42H	LAT= 15.0		
10 - 1976/266/ 7.33H	LAT= 31.9		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/265/22.00H TO 1976/267/23.00H

HAWKEYE-1
PROJECTED ONTO THE GSM V-Z PLANE

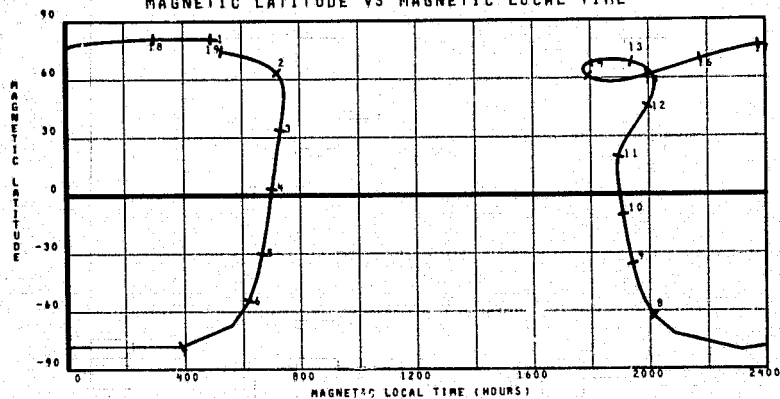


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/265/ 22.17H	R= 12.1R _E	11 - 1976/266/ 14.03H	R= 14.7R _E
2 - 1976/266/ 0.47H	R= 9.2R _E	12 - 1976/266/ 17.00H	R= 16.2R _E
3 - 1976/266/ 2.50H	R= 6.4R _E	13 - 1976/266/ 19.33H	R= 17.6R _E
4 - 1976/266/ 3.92H	R= 5.7R _E	14 - 1976/266/ 22.03H	R= 19.0R _E
5 - 1976/266/ 4.03H	R= 1.0R _E	15 - 1976/267/ 5.33H	R= 20.3R _E
6 - 1976/266/ 5.50H	R= 2.3R _E	16 - 1976/267/ 12.03H	R= 19.5R _E
7 - 1976/266/ 6.55H	R= 4.3R _E	17 - 1976/267/ 15.33H	R= 18.7R _E
8 - 1976/266/ 9.00H	R= 7.1R _E	18 - 1976/267/ 17.03H	R= 17.4R _E
9 - 1976/266/ 10.00H	R= 9.9R _E	19 - 1976/267/ 20.33H	R= 16.2R _E
10 - 1976/266/ 12.50H	R= 12.4R _E	20 - 1976/267/ 23.00H	R= 14.3R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/265/22.00H TO 1976/267/23.00H

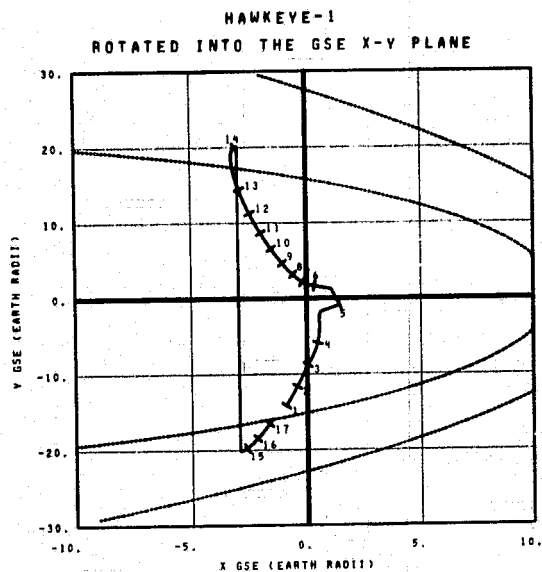
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/265/ 22.17H	R= 12.1R _E	8 - 1976/266/ 5.42H	R= 2.0R _E	15 - 1976/267/ 13.33H	R= 19.4R _E
2 - 1976/266/ 1.17H	R= 8.3R _E	9 - 1976/266/ 5.70H	R= 2.4R _E	16 - 1976/267/ 14.03H	R= 18.1R _E
3 - 1976/266/ 3.03H	R= 5.0R _E	10 - 1976/266/ 6.42H	R= 4.1R _E	17 - 1976/267/ 19.33H	R= 16.0R _E
4 - 1976/266/ 4.00H	R= 2.0R _E	11 - 1976/266/ 10.17H	R= 10.1R _E	18 - 1976/267/ 22.03H	R= 14.4R _E
5 - 1976/266/ 4.03H	R= 1.0R _E	12 - 1976/266/ 17.17H	R= 16.2R _E	19 - 1976/267/ 23.00H	R= 14.3R _E
6 - 1976/266/ 5.00H	R= 1.7R _E	13 - 1976/266/ 23.33H	R= 19.2R _E		
7 - 1976/266/ 5.17H	R= 1.7R _E	14 - 1976/267/ 6.33H	R= 20.3R _E		

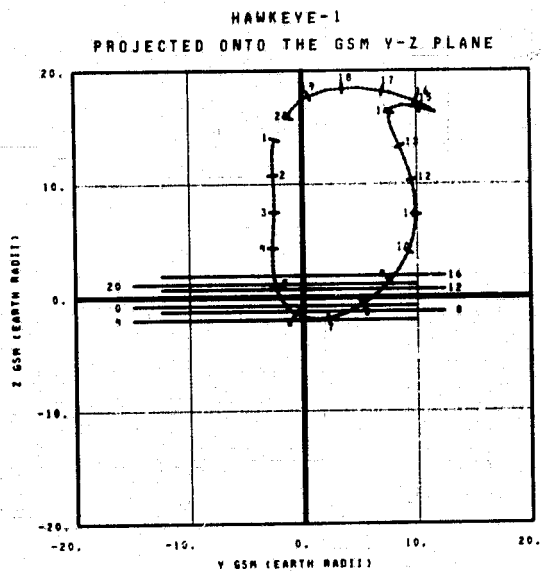
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/265/22.00H TO 1976/267/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/267/ 23.17H	LAT= 67.9	11- 1976/268/ 12.50H	LAT= 40.1
2- 1976/268/ 1.03H	LAT= 61.1	12- 1976/268/ 14.67H	LAT= 57.2
3- 1976/268/ 4.17H	LAT= 51.3	13- 1976/268/ 10.17H	LAT= 69.0
4- 1976/268/ 6.00H	LAT= 36.0	14- 1976/269/ 0.00H	LAT= 80.9
5- 1976/268/ 8.25H	LAT= -79.3	15- 1976/269/ 14.50H	LAT= 81.3
6- 1976/268/ 8.42H	LAT= -69.4	16- 1976/269/ 19.00H	LAT= 73.2
7- 1976/268/ 8.75H	LAT= -20.5	17- 1976/269/ 23.00H	LAT= 73.6
8- 1976/268/ 9.25H	LAT= 2.8		
9- 1976/268/ 10.00H	LAT= 23.4		
10- 1976/268/ 11.00H	LAT= 37.9		

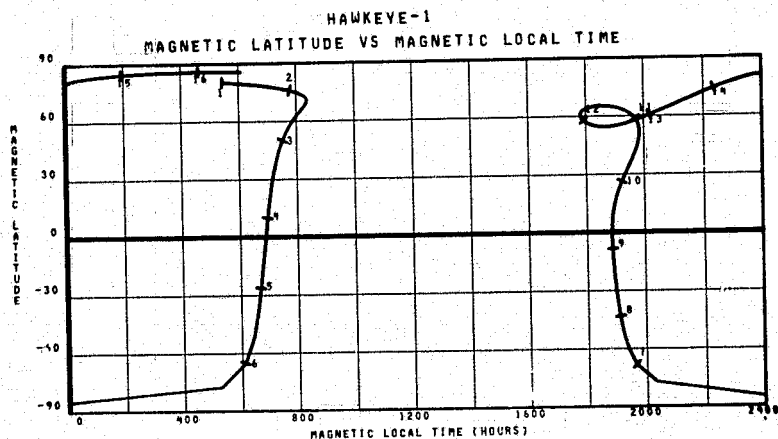
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/267/23.00H TO 1976/269/24.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/267/ 23.17H	R= 14.2Re	11- 1976/268/ 15.67H	R= 12.6Re
2- 1976/268/ 2.33H	R= 11.1Re	12- 1976/268/ 17.67H	R= 19.0Re
3- 1976/268/ 4.75H	R= 7.9Re	13- 1976/268/ 20.00H	R= 16.1Re
4- 1976/268/ 6.42H	R= 5.1Re	14- 1976/268/ 24.00H	R= 10.2Re
5- 1976/268/ 7.38H	R= 2.7Re	15- 1976/269/ 5.50H	R= 19.9Re
6- 1976/268/ 8.33H	R= 1.7Re	16- 1976/269/ 13.00H	R= 20.1Re
7- 1976/268/ 9.07H	R= 2.9Re	17- 1976/269/ 15.50H	R= 19.7Re
8- 1976/268/ 10.22H	R= 5.2Re	18- 1976/269/ 18.00H	R= 18.9Re
9- 1976/268/ 11.75H	R= 7.8Re	19- 1976/269/ 20.50H	R= 17.9Re
10- 1976/268/ 13.58H	R= 10.3Re	20- 1976/269/ 24.00H	R= 15.9Re

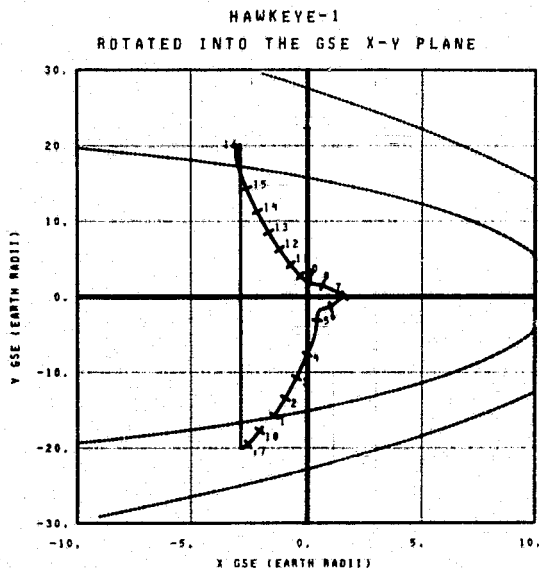
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/267/23.00H TO 1976/269/24.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/267/ 23.17H	R= 14.2Re	8- 1976/268/ 8.98H	R= 2.7Re	13- 1976/269/ 22.50H	R= 16.9Re
2- 1976/268/ 1.07H	R= 11.8Re	9- 1976/268/ 10.00H	R= 5.0Re	14- 1976/269/ 23.50H	R= 16.9Re
3- 1976/268/ 4.75H	R= 4.9Re	10- 1976/268/ 19.50H	R= 11.0Re		
4- 1976/268/ 6.75H	R= 2.4Re	11- 1976/268/ 21.33H	R= 16.9Re		
5- 1976/268/ 8.00H	R= 1.8Re	12- 1976/269/ 6.00H	R= 20.0Re		
6- 1976/268/ 8.33H	R= 1.7Re	13- 1976/269/ 14.50H	R= 19.9Re		
7- 1976/268/ 8.67H	R= 2.0Re	14- 1976/269/ 19.00H	R= 10.4Re		

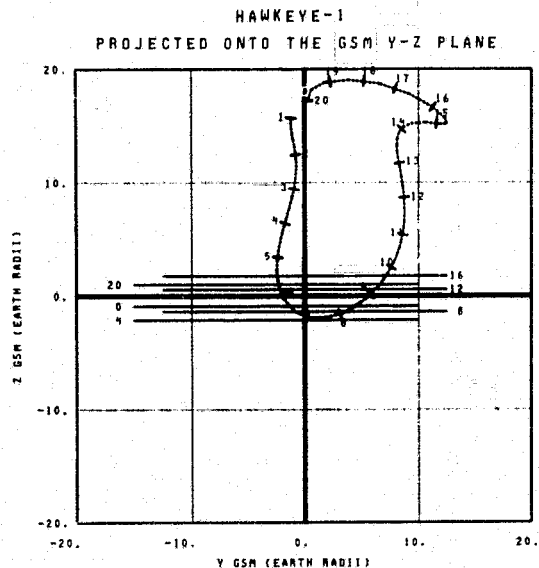
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/267/23.00H TO 1976/269/24.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/270/ 0.17H LAT= 71.9	11 - 1976/270/ 12.97H LAT= 18.2
2 - 1976/270/ 3.17H LAT= 66.2	12 - 1976/270/ 14.00H LAT= 35.7
3 - 1976/270/ 5.03H LAT= 58.4	13 - 1976/270/ 15.50H LAT= 47.5
4 - 1976/270/ 6.17H LAT= 46.2	14 - 1976/270/ 17.03H LAT= 57.0
5 - 1976/270/ 10.50H LAT= 3.4	15 - 1976/270/ 21.17H LAT= 65.3
6 - 1976/270/ 11.42H LAT= -73.9	16 - 1976/271/ 9.33H LAT= 79.0
7 - 1976/270/ 11.50H LAT= -81.8	17 - 1976/271/ 16.03H LAT= 68.0
8 - 1976/270/ 11.50H LAT= -74.5	18 - 1976/271/ 23.03H LAT= 74.6
9 - 1976/270/ 11.75H LAT= -51.5	
10 - 1976/270/ 12.25H LAT= -7.7	

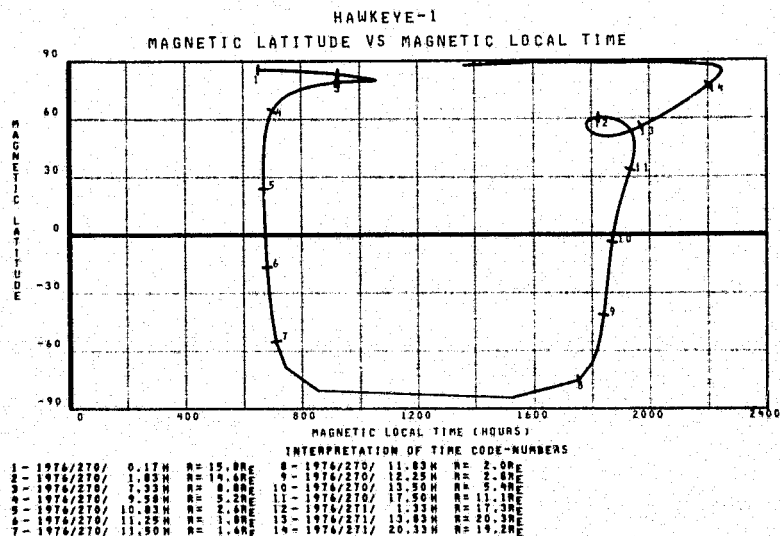
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/269/24.00H TO 1976/272/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/270/ 0.17H R= 15.0RE	11 - 1976/270/ 16.03H R= 10.4RE
2 - 1976/270/ 3.17H R= 12.5RE	12 - 1976/270/ 18.03H R= 12.3RE
3 - 1976/270/ 6.03H R= 9.5RE	13 - 1976/270/ 21.17H R= 14.6RE
4 - 1976/270/ 6.75H R= 4.7RE	14 - 1976/271/ 1.17H R= 17.2RE
5 - 1976/270/ 10.00H R= 4.2RE	15 - 1976/271/ 6.33H R= 19.4RE
6 - 1976/270/ 11.00H R= 2.1RE	16 - 1976/271/ 12.03H R= 20.3RE
7 - 1976/270/ 11.75H R= 1.0RE	17 - 1976/271/ 15.03H R= 20.2RE
8 - 1976/270/ 12.50H R= 3.5RE	18 - 1976/271/ 17.03H R= 19.0RE
9 - 1976/270/ 13.75H R= 5.0RE	19 - 1976/271/ 20.33H R= 19.2RE
10 - 1976/270/ 19.17H R= 0.1RE	20 - 1976/272/ 0.03H R= 17.3RE

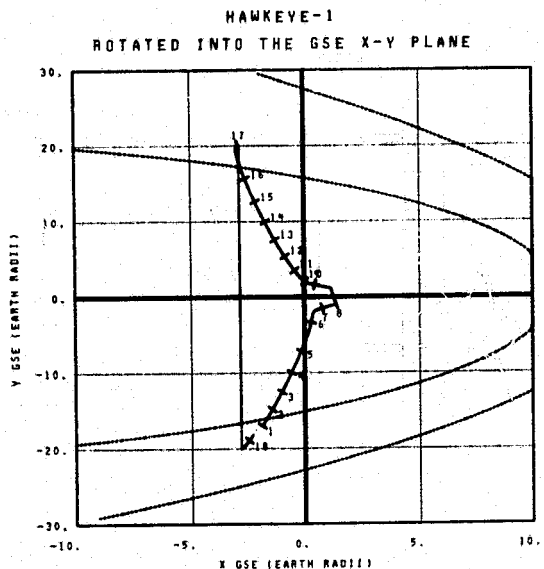
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/269/24.00H TO 1976/272/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/270/ 0.17H R= 15.0RE	8 - 1976/270/ 11.03H R= 2.0RE
2 - 1976/270/ 1.33H R= 14.0RE	9 - 1976/270/ 12.25H R= 2.6RE
3 - 1976/270/ 1.33H R= 8.0RE	10 - 1976/270/ 15.50H R= 5.4RE
4 - 1976/270/ 9.50H R= 5.2RE	11 - 1976/270/ 17.50H R= 11.1RE
5 - 1976/270/ 1.33H R= 2.6RE	12 - 1976/271/ 1.17H R= 17.3RE
6 - 1976/270/ 11.25H R= 1.0RE	13 - 1976/271/ 13.03H R= 20.3RE
7 - 1976/270/ 11.50H R= 1.4RE	14 - 1976/271/ 20.33H R= 19.2RE

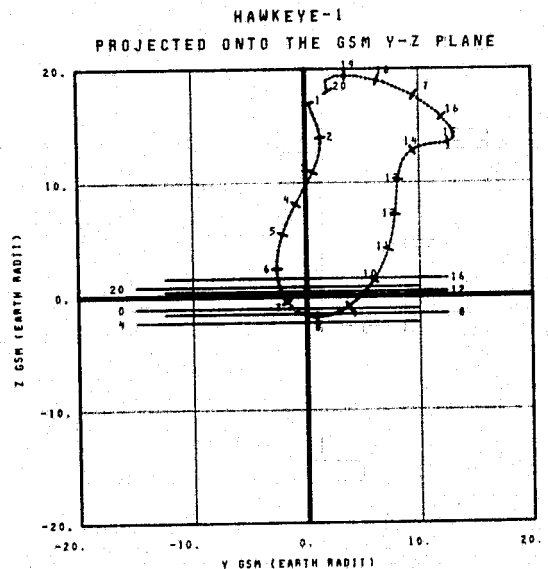
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/269/24.00H TO 1976/272/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/272/ 1.33M LAT= 74.0	11- 1976/272/ 15.02M LAT= 8.0
2- 1976/272/ 4.67M LAT= 69.7	12- 1976/272/ 16.77M LAT= 29.1
3- 1976/272/ 7.33M LAT= 63.8	13- 1976/272/ 18.00M LAT= 92.7
4- 1976/272/ 9.67M LAT= 55.9	14- 1976/272/ 19.83M LAT= 92.4
5- 1976/272/ 11.67M LAT= 43.8	15- 1976/272/ 22.33M LAT= 60.4
6- 1976/272/ 13.67M LAT= 8.7	16- 1976/273/ 2.17M LAT= 60.4
7- 1976/272/ 14.50M LAT= -60.2	17- 1976/273/ 16.00M LAT= 81.9
8- 1976/272/ 14.67M LAT= -79.4	18- 1976/273/ 24.00M LAT= 79.5
9- 1976/272/ 14.83M LAT= -60.4	
10- 1976/272/ 15.00M LAT= -36.0	

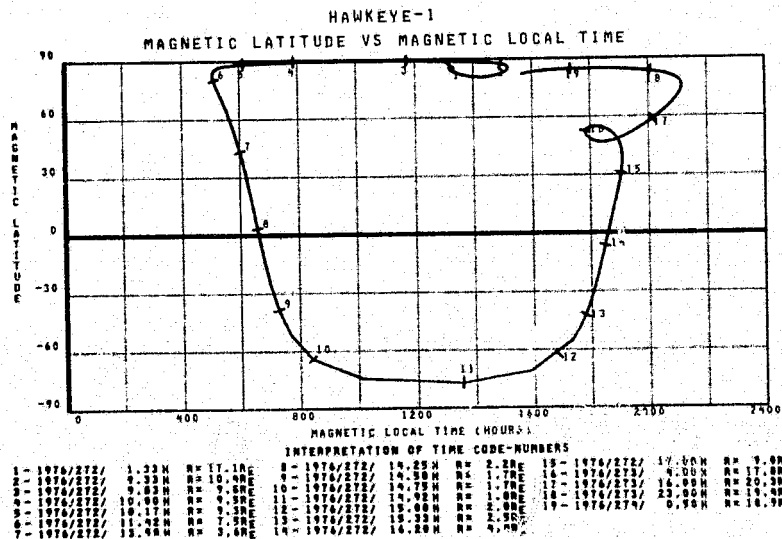
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/272/ 1.00N TO 1976/274/ 2.00N



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/272/ 1.33M R= 17.1Re	11- 1976/272/ 18.50M R= 8.4Re
2- 1976/272/ 4.67M R= 19.1Re	12- 1976/272/ 20.42M R= 10.0Re
3- 1976/272/ 7.33M R= 11.0Re	13- 1976/272/ 22.82M R= 13.3Re
4- 1976/272/ 9.67M R= 8.2Re	14- 1976/273/ 2.50M R= 16.1Re
5- 1976/272/ 11.67M R= 5.9Re	15- 1976/273/ 7.50M R= 18.7Re
6- 1976/272/ 13.50M R= 3.6Re	16- 1976/273/ 13.00M R= 20.1Re
7- 1976/272/ 14.42M R= 1.9Re	17- 1976/273/ 15.50M R= 20.3Re
8- 1976/272/ 15.00M R= 2.0Re	18- 1976/273/ 16.00M R= 20.2Re
9- 1976/272/ 15.93M R= 3.0Re	19- 1976/273/ 20.50M R= 19.9Re
10- 1976/272/ 17.17M R= 4.2Re	20- 1976/274/ 2.00M R= 10.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/272/ 1.00N TO 1976/274/ 2.00N

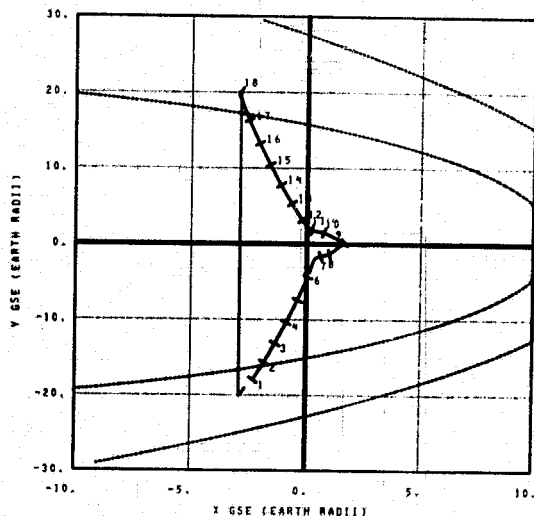


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/272/ 1.33M R= 17.1Re	8- 1976/272/ 14.25M R= 2.2Re	15- 1976/272/ 17.50M R= 9.0Re
2- 1976/272/ 4.67M R= 10.4Re	9- 1976/272/ 14.50M R= 1.7Re	16- 1976/273/ 4.00M R= 17.0Re
3- 1976/272/ 7.33M R= 9.5Re	10- 1976/272/ 14.75M R= 1.7Re	17- 1976/273/ 16.00M R= 20.3Re
4- 1976/272/ 9.67M R= 8.2Re	11- 1976/272/ 14.92M R= 1.0Re	18- 1976/273/ 23.00M R= 19.4Re
5- 1976/272/ 10.17M R= 9.3Re	12- 1976/272/ 15.00M R= 2.9Re	19- 1976/274/ 0.90M R= 16.4Re
6- 1976/272/ 11.42M R= 7.5Re	13- 1976/272/ 15.93M R= 3.0Re	
7- 1976/272/ 13.42M R= 3.6Re	14- 1976/272/ 16.80M R= 4.1Re	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/272/ 1.00N TO 1976/274/ 2.00N

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

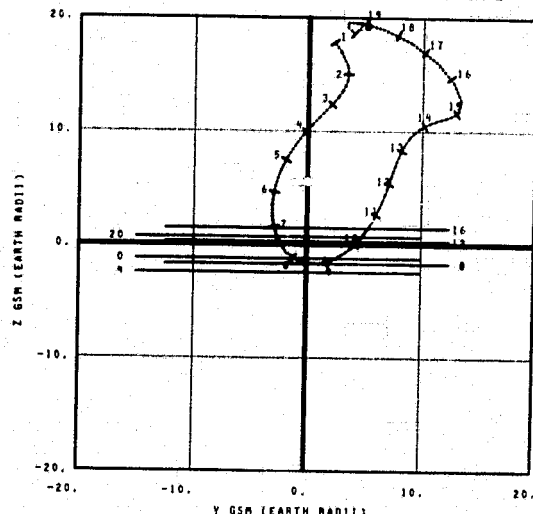


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/274/ 2.50H LAT= 77.3	11- 1976/274/ 10.17H LAT= -91.0
2- 1976/274/ 6.47H LAT= 71.0	12- 1976/274/ 10.03H LAT= 0.4
3- 1976/274/ 9.03H LAT= 45.7	13- 1976/274/ 19.92H LAT= 20.2
4- 1976/274/ 12.50H LAT= 57.5	14- 1976/274/ 21.42H LAT= 43.5
5- 1976/274/ 14.67H LAT= 45.4	15- 1976/274/ 23.42H LAT= 53.8
6- 1976/274/ 16.42H LAT= 22.3	16- 1976/274/ 2.17H LAT= 62.1
7- 1976/274/ 17.75H LAT= -62.7	17- 1976/275/ 6.33H LAT= 69.8
8- 1976/274/ 17.03H LAT= -79.7	18- 1976/275/ 20.03H LAT= 81.8
9- 1976/274/ 17.92H LAT= -81.0	
10- 1976/274/ 10.00H LAT= -73.0	

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/274/ 2.00H TO 1976/274/ 3.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

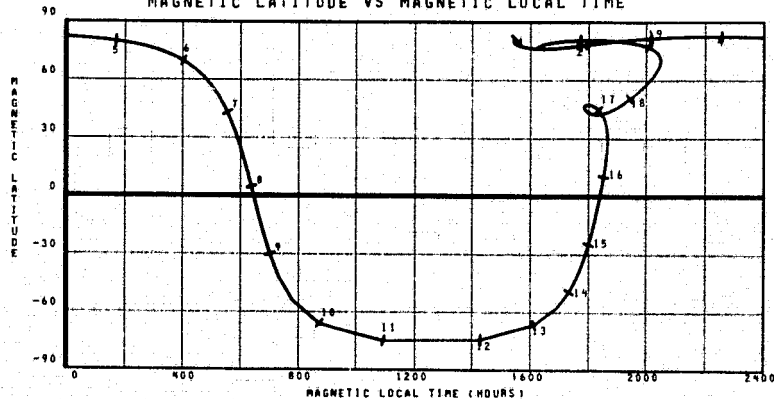


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/274/ 2.50H R= 10.1RE	11- 1976/274/ 20.50H R= 6.4RE
2- 1976/274/ 7.00H R= 15.5RE	12- 1976/274/ 22.17H R= 9.0RE
3- 1976/274/ 10.50H R= 12.0RE	13- 1976/275/ 0.90H R= 11.0RE
4- 1976/274/ 12.50H R= 10.0RE	14- 1976/275/ 3.03H R= 14.0RE
5- 1976/274/ 14.50H R= 7.7RE	15- 1976/275/ 6.33H R= 17.4RE
6- 1976/274/ 16.03H R= 5.9RE	16- 1976/275/ 13.33H R= 19.5RE
7- 1976/274/ 16.92H R= 3.3RE	17- 1976/275/ 19.03H R= 20.0RE
8- 1976/274/ 17.75H R= 1.7RE	18- 1976/275/ 17.03H R= 20.3RE
9- 1976/274/ 10.42H R= 2.3RE	19- 1976/275/ 20.03H R= 20.3RE
10- 1976/274/ 19.20H R= 4.1RE	20- 1976/276/ 2.03H R= 19.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/274/ 2.00H TO 1976/276/ 3.00H

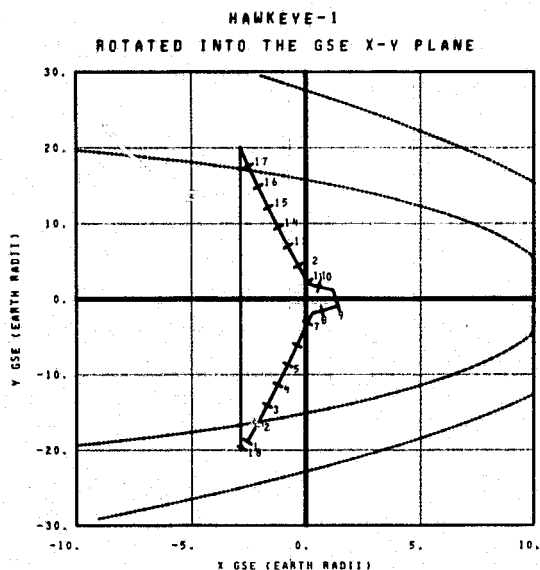
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/274/ 2.50H R= 10.1RE	11- 1976/274/ 17.33H R= 2.4RE	19- 1976/274/ 10.67H R= 2.0RE
2- 1976/274/ 6.47H R= 14.0RE	12- 1976/274/ 17.03H R= 1.0RE	16- 1976/274/ 19.73H R= 5.0RE
3- 1976/274/ 9.03H R= 11.0RE	13- 1976/274/ 17.02H R= 1.0RE	17- 1976/274/ 23.42H R= 11.1RE
4- 1976/274/ 12.50H R= 10.0RE	14- 1976/274/ 10.00H R= 1.7RE	18- 1976/275/ 14.33H R= 19.0RE
5- 1976/274/ 14.67H R= 9.0RE	15- 1976/274/ 10.00H R= 1.7RE	19- 1976/275/ 21.03H R= 20.2RE
6- 1976/274/ 16.42H R= 7.2RE	16- 1976/274/ 10.33H R= 2.1RE	20- 1976/276/ 0.90H R= 19.0RE
7- 1976/274/ 17.75H R= 4.2RE		

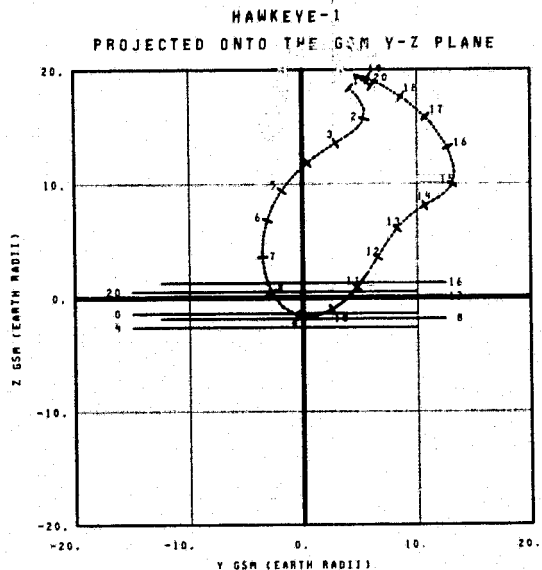
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/274 / 2.00H TO 1976/276 / 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/276/ 3.33H LAT= 79.5	11- 1976/276/ 21.50H LAT= -20.2
2- 1976/276/ 8.03H LAT= 73.5	12- 1976/276/ 22.65H LAT= 19.5
3- 1976/276/ 12.00H LAT= 68.0	13- 1976/277/ 0.00H LAT= 39.2
4- 1976/276/ 14.00H LAT= 60.7	14- 1976/277/ 1.00H LAT= 30.9
5- 1976/276/ 17.00H LAT= 51.5	15- 1976/277/ 4.17H LAT= 22.9
6- 1976/276/ 18.47H LAT= 38.1	16- 1976/277/ 7.33H LAT= 16.1
7- 1976/276/ 20.17H LAT= 9.1	17- 1976/277/ 11.00H LAT= 72.9
8- 1976/276/ 21.00H LAT= -69.2	18- 1976/278/ 3.00H LAT= 81.5
9- 1976/276/ 21.00H LAT= -88.0	
10- 1976/276/ 21.25H LAT= -87.5	

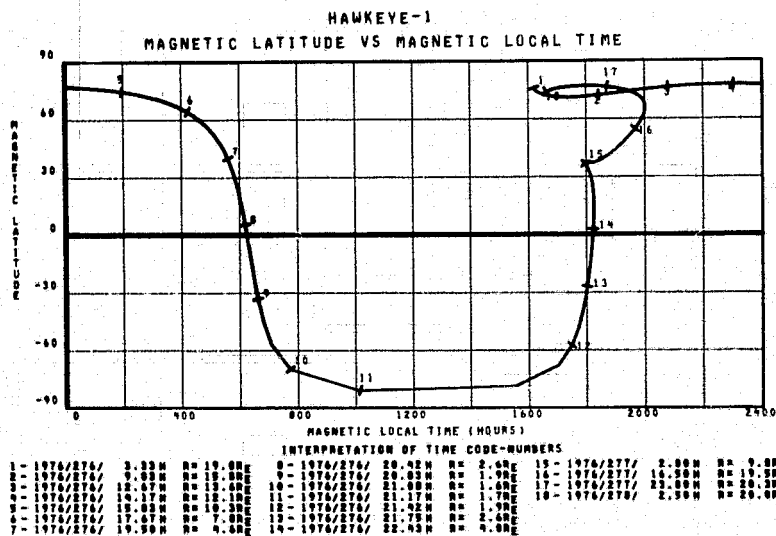
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/276/ 5.00H TO 1976/278/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/276/ 3.33H R= 19.0R	11- 1976/276/ 22.02H R= 4.60R
2- 1976/276/ 8.33H R= 16.7R	12- 1976/277/ 0.33H R= 7.40R
3- 1976/276/ 12.17H R= 14.0R	13- 1976/277/ 2.42H R= 10.30R
4- 1976/276/ 14.33H R= 12.0R	14- 1976/277/ 5.50H R= 13.50R
5- 1976/276/ 16.53H R= 9.6R	15- 1976/277/ 9.67H R= 16.40R
6- 1976/276/ 17.03H R= 7.5R	16- 1976/277/ 13.50H R= 18.50R
7- 1976/276/ 19.25H R= 5.1R	17- 1976/277/ 16.00H R= 19.40R
8- 1976/276/ 20.33H R= 2.8R	18- 1976/277/ 18.00H R= 19.9R
9- 1976/276/ 21.00H R= 1.6R	19- 1976/278/ 21.00H R= 20.2R
10- 1976/276/ 21.03H R= 2.7R	20- 1976/278/ 4.00H R= 19.7R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/276/ 3.00H TO 1976/278/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

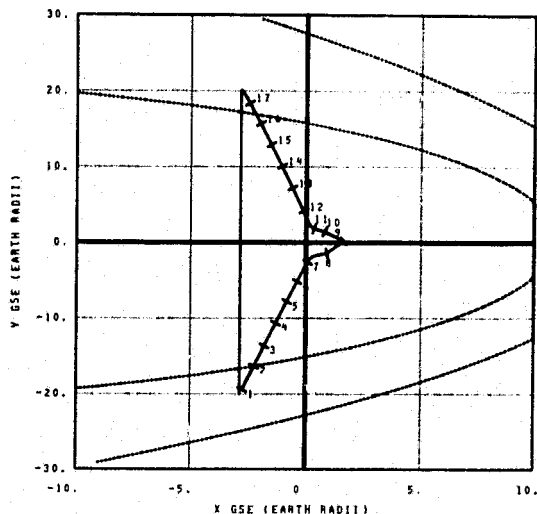
1- 1976/276/ 3.33H R= 19.0R	11- 1976/276/ 21.50H R= 2.6R	21- 1976/277/ 2.00H R= 9.00R
2- 1976/276/ 8.33H R= 16.7R	12- 1976/276/ 22.65H R= 1.9R	22- 1976/277/ 5.50H R= 13.50R
3- 1976/276/ 12.17H R= 14.0R	13- 1976/277/ 0.33H R= 1.6R	23- 1976/277/ 9.67H R= 16.40R
4- 1976/276/ 14.33H R= 12.0R	14- 1976/277/ 2.42H R= 1.7R	24- 1976/278/ 2.50H R= 20.0R
5- 1976/276/ 16.53H R= 9.6R	15- 1976/277/ 5.50H R= 1.9R	
6- 1976/276/ 17.03H R= 7.5R	16- 1976/277/ 9.67H R= 2.6R	
7- 1976/276/ 19.25H R= 5.1R	17- 1976/277/ 13.50H R= 4.0R	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/276/ 3.00H TO 1976/278/ 4.00H

ORIGINAL PAGE IS
OF POOR QUALITY

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



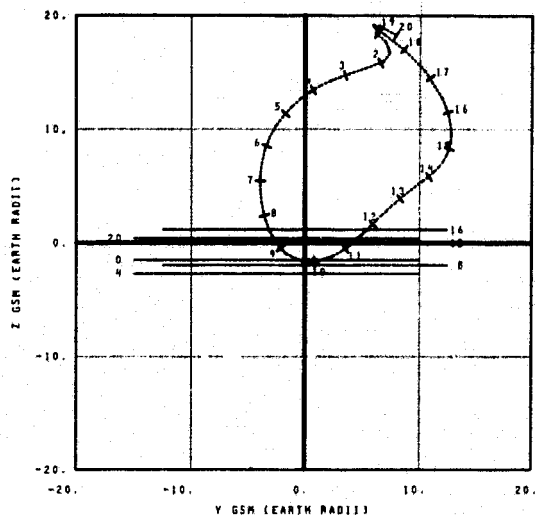
INTERPRETATION OF TIME CODE NUMBERS

1- 1976/276/ 4.50H LAT= 90.8	11- 1976/279/ 0.50H LAT= -50.4
2- 1976/276/ 12.00H LAT= 73.4	12- 1976/279/ 1.72H LAT= 16.1
3- 1976/276/ 15.47H LAT= 67.1	13- 1976/279/ 3.42H LAT= 40.2
4- 1976/276/ 18.67H LAT= 58.6	14- 1976/279/ 5.50H LAT= 52.4
5- 1976/276/ 20.03H LAT= 47.6	15- 1976/279/ 8.17H LAT= 61.0
6- 1976/276/ 22.42H LAT= 30.6	16- 1976/279/ 11.67H LAT= 68.9
7- 1976/276/ 23.67H LAT= -10.7	17- 1976/279/ 16.03H LAT= 74.9
8- 1976/279/ 0.25H LAT= -75.3	
9- 1976/279/ 0.33H LAT= -81.7	
10- 1976/279/ 0.42H LAT= -73.1	

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/276/ 4.00H TO 1976/280/ 5.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



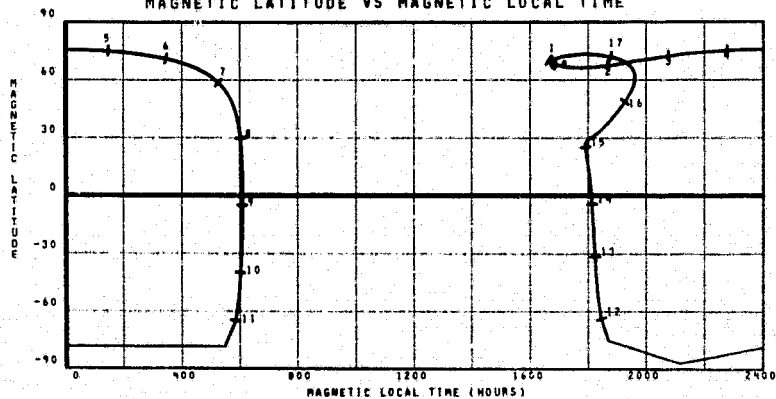
INTERPRETATION OF TIME CODE NUMBERS

1- 1976/276/ 4.50H R= 19.4RE	11- 1976/279/ 1.42H R= 3.5RE
2- 1976/276/ 10.50H R= 17.3RE	12- 1976/279/ 2.75H R= 6.1RE
3- 1976/276/ 13.67H R= 15.3RE	13- 1976/279/ 4.75H R= 9.2RE
4- 1976/276/ 15.03H R= 13.4RE	14- 1976/279/ 7.50H R= 12.4RE
5- 1976/276/ 17.03H R= 11.6RE	15- 1976/279/ 10.03H R= 15.3RE
6- 1976/276/ 19.03H R= 9.3RE	16- 1976/279/ 13.03H R= 17.2RE
7- 1976/276/ 21.50H R= 6.0RE	17- 1976/279/ 16.03H R= 18.4RE
8- 1976/276/ 22.03H R= 4.5RE	18- 1976/279/ 18.03H R= 19.3RE
9- 1976/276/ 23.03H R= 2.2RE	19- 1976/279/ 21.03H R= 20.0RE
10- 1976/279/ 0.50H R= 1.9RE	20- 1976/280/ 4.03H R= 20.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/276/ 4.00H TO 1976/280/ 5.00H

HAWKEYE-1

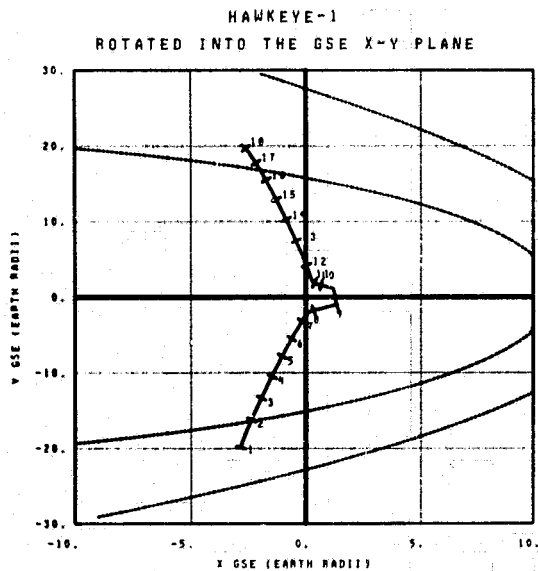
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE NUMBERS

1- 1976/276/ 4.50H R= 19.4RE	11- 1976/279/ 1.42H R= 3.5RE	19- 1976/279/ 21.03H R= 20.0RE
2- 1976/276/ 10.50H R= 17.3RE	12- 1976/279/ 2.75H R= 6.1RE	20- 1976/280/ 4.03H R= 20.1RE
3- 1976/276/ 13.67H R= 15.3RE	13- 1976/279/ 4.75H R= 9.2RE	
4- 1976/276/ 15.03H R= 13.4RE	14- 1976/279/ 7.50H R= 12.4RE	
5- 1976/276/ 17.03H R= 11.6RE	15- 1976/279/ 10.03H R= 15.3RE	
6- 1976/276/ 19.03H R= 9.3RE	16- 1976/279/ 13.03H R= 17.2RE	
7- 1976/276/ 21.50H R= 6.0RE	17- 1976/279/ 16.03H R= 18.4RE	
8- 1976/276/ 22.03H R= 4.5RE	18- 1976/279/ 18.03H R= 19.3RE	
9- 1976/276/ 23.03H R= 2.2RE	19- 1976/279/ 21.03H R= 20.0RE	
10- 1976/279/ 0.50H R= 1.9RE		

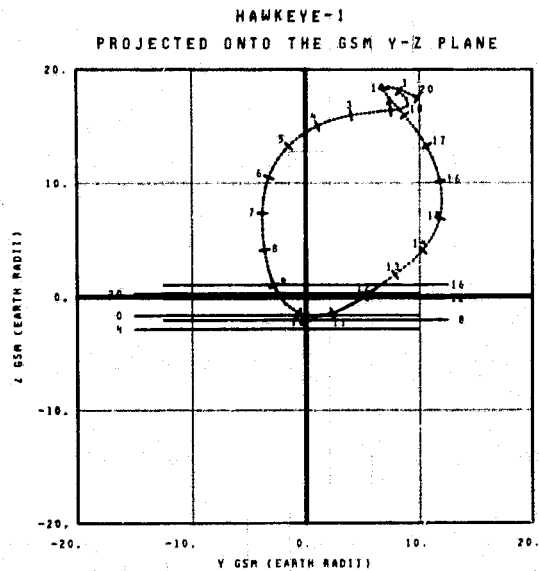
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/276/ 4.00H TO 1976/280/ 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 5.33H	LAT= 81.7	11- 1976/201/ 3.03H	LAT= -95.1
2- 1976/200/ 15.33H	LAT= 73.5	12- 1976/201/ 9.95H	LAT= 16.0
3- 1976/200/ 19.17H	LAT= 66.5	13- 1976/201/ 6.75H	LAT= 41.2
4- 1976/200/ 22.00H	LAT= 58.2	14- 1976/201/ 0.03H	LAT= 32.9
5- 1976/200/ 24.00H	LAT= 47.9	15- 1976/201/ 11.33H	LAT= 60.0
6- 1976/201/ 1.42H	LAT= 33.9	16- 1976/201/ 14.50H	LAT= 67.4
7- 1976/201/ 2.50H	LAT= 5.1	17- 1976/201/ 10.50H	LAT= 73.1
8- 1976/201/ 3.33H	LAT= -57.6	18- 1976/202/ 0.50H	LAT= 79.0
9- 1976/201/ 3.50H	LAT= -60.3		
10- 1976/201/ 3.67H	LAT= -67.1		

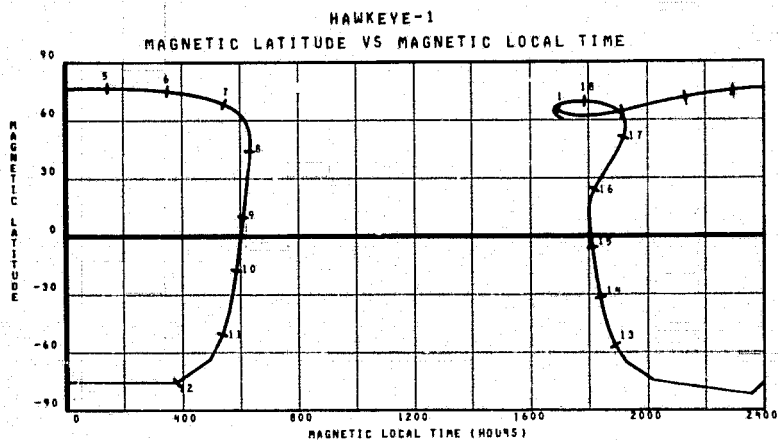
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/200/ 5.00H TO 1976/202/ 6.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 5.33H	R= 20.1R _E	11- 1976/201/ 4.25H	R= 2.7R _E
2- 1976/200/ 11.03H	R= 10.2R _E	12- 1976/201/ 5.93H	R= 5.3R _E
3- 1976/200/ 14.03H	R= 16.7R _E	13- 1976/201/ 7.17H	R= 0.1R _E
4- 1976/200/ 17.00H	R= 19.2R _E	14- 1976/201/ 9.50H	R= 11.1R _E
5- 1976/200/ 19.17H	R= 13.3R _E	15- 1976/201/ 12.17H	R= 13.0R _E
6- 1976/200/ 21.50H	R= 11.1R _E	16- 1976/201/ 14.67H	R= 15.7R _E
7- 1976/200/ 23.67H	R= 8.4R _E	17- 1976/201/ 17.00H	R= 17.1R _E
8- 1976/201/ 1.42H	R= 5.3R _E	18- 1976/201/ 19.50H	R= 10.4R _E
9- 1976/201/ 2.47H	R= 3.0R _E	19- 1976/201/ 24.00H	R= 19.0R _E
10- 1976/201/ 3.50H	R= 1.6R _E	20- 1976/202/ 6.00H	R= 20.3R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/200/ 5.00H TO 1976/202/ 6.00H

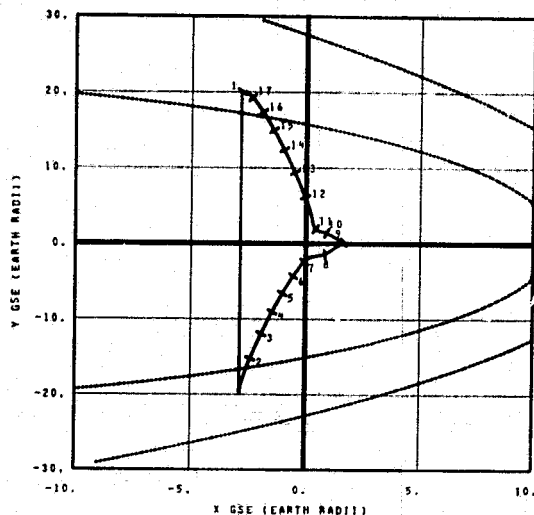


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/200/ 5.33H	R= 20.1R _E	6- 1976/201/ 1.75H	R= 4.9R _E	15- 1976/201/ 5.02H	R= 4.5R _E
2- 1976/200/ 11.03H	R= 10.2R _E	7- 1976/201/ 2.50H	R= 2.4R _E	16- 1976/201/ 15.00H	R= 17.3R _E
3- 1976/200/ 14.03H	R= 16.7R _E	8- 1976/201/ 3.17H	R= 2.0R _E	17- 1976/201/ 17.33H	R= 17.3R _E
4- 1976/200/ 17.00H	R= 19.2R _E	9- 1976/201/ 3.42H	R= 1.7R _E	18- 1976/201/ 23.50H	R= 19.7R _E
5- 1976/200/ 19.17H	R= 13.3R _E	10- 1976/201/ 3.50H	R= 1.6R _E		
6- 1976/200/ 21.50H	R= 11.1R _E	11- 1976/201/ 3.67H	R= 1.6R _E		
7- 1976/200/ 23.67H	R= 8.4R _E	12- 1976/201/ 4.25H	R= 2.7R _E		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/200/ 5.00H TO 1976/202/ 6.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

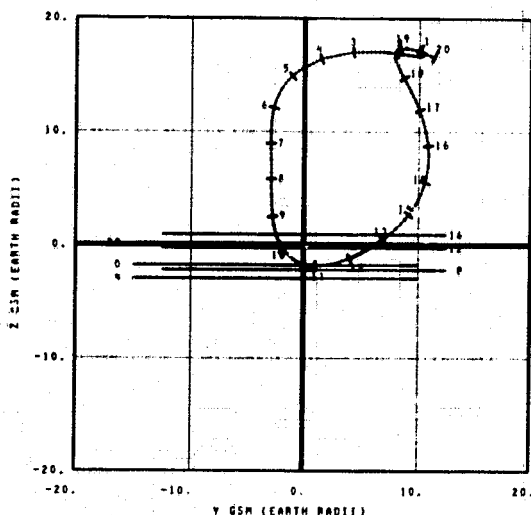


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/202/ 6.50H LAT= 81.8	11- 1976/203/ 7.00H LAT= -80.2
2- 1976/202/ 20.00H LAT= 71.2	12- 1976/203/ 9.17H LAT= 33.6
3- 1976/202/ 23.03H LAT= 62.8	13- 1976/203/ 11.33H LAT= 49.7
4- 1976/203/ 2.33H LAT= 53.2	14- 1976/203/ 14.00H LAT= 59.3
5- 1976/203/ 4.00H LAT= 41.4	15- 1976/203/ 17.00H LAT= 66.1
6- 1976/203/ 5.25H LAT= 22.4	16- 1976/203/ 20.03H LAT= 72.0
7- 1976/203/ 6.17H LAT= -16.9	17- 1976/204/ 1.03H LAT= 77.4
8- 1976/203/ 6.67H LAT= -75.7	
9- 1976/203/ 6.75H LAT= -81.6	
10- 1976/203/ 6.83H LAT= -72.7	

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/202/ 6.00H TO 1976/204/ 7.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

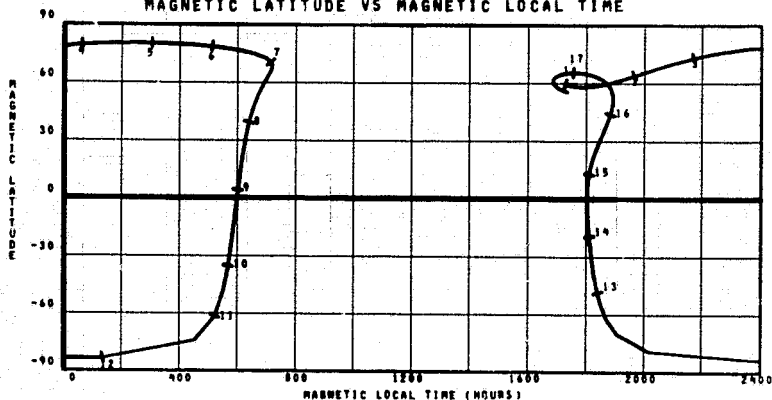


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/202/ 6.50H R= 20.3Re	11- 1976/203/ 7.17H R= 2.1Re
2- 1976/202/ 13.00H R= 19.0Re	12- 1976/203/ 8.12H R= 4.2Re
3- 1976/202/ 16.00H R= 17.0Re	13- 1976/203/ 9.50H R= 4.9Re
4- 1976/202/ 18.00H R= 16.7Re	14- 1976/203/ 11.42H R= 9.5Re
5- 1976/202/ 20.33H R= 15.2Re	15- 1976/203/ 13.90H R= 12.0Re
6- 1976/202/ 23.33H R= 12.6Re	16- 1976/203/ 15.67H R= 14.0Re
7- 1976/203/ 2.00H R= 9.0Re	17- 1976/203/ 17.03H R= 15.7Re
8- 1976/203/ 4.00H R= 6.6Re	18- 1976/203/ 20.23H R= 17.2Re
9- 1976/203/ 5.50H R= 3.0Re	19- 1976/204/ 1.03H R= 19.5Re
10- 1976/203/ 6.42H R= 1.9Re	20- 1976/204/ 6.03H R= 20.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/202/ 6.00H TO 1976/204/ 7.00H

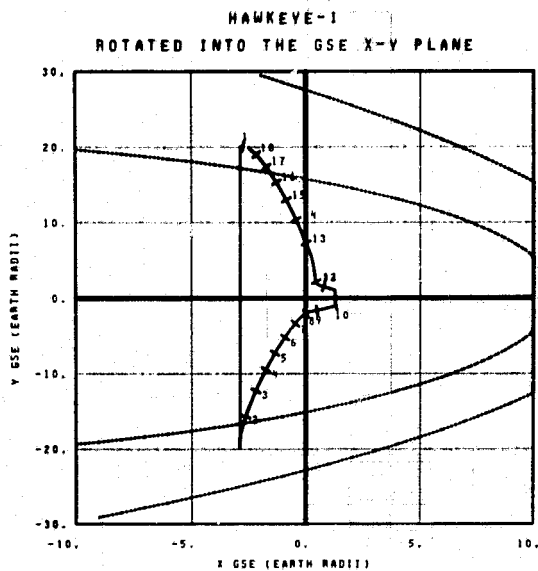
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/202/ 6.50H R= 20.3Re	8- 1976/203/ 5.50H R= 3.0Re	15- 1976/203/ 10.70H R= 8.6Re
2- 1976/202/ 13.00H R= 19.0Re	9- 1976/203/ 6.30H R= 2.7Re	16- 1976/203/ 14.00H R= 14.0Re
3- 1976/202/ 17.00H R= 17.3Re	10- 1976/203/ 6.00H R= 1.7Re	17- 1976/203/ 23.00H R= 10.0Re
4- 1976/202/ 19.67H R= 15.0Re	11- 1976/203/ 6.00H R= 1.0Re	
5- 1976/202/ 20.67H R= 12.6Re	12- 1976/203/ 7.00H R= 0.9Re	
6- 1976/202/ 23.33H R= 12.6Re	13- 1976/203/ 7.00H R= 0.9Re	
7- 1976/203/ 2.17H R= 9.0Re	14- 1976/203/ 8.00H R= 0.9Re	

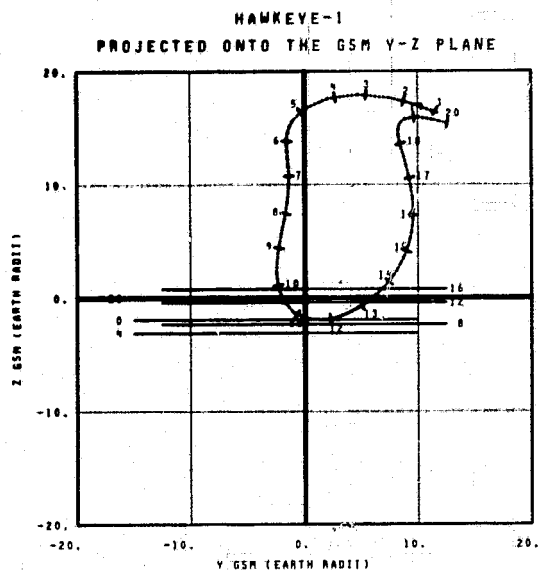
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/202 / 6.00H TO 1976/204 / 7.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/204/ 7.33H	LAT= 81.1	11- 1976/205/ 10.00H	LAT= -66.7
2- 1976/204/ 22.50H	LAT= 72.4	12- 1976/205/ 10.12H	LAT= -27.7
3- 1976/205/ 2.67H	LAT= 63.9	13- 1976/205/ 13.00H	LAT= 40.3
4- 1976/205/ 5.17H	LAT= 55.1	14- 1976/205/ 15.33H	LAT= 53.1
5- 1976/205/ 6.75H	LAT= 45.9	15- 1976/205/ 17.03H	LAT= 60.9
6- 1976/205/ 8.00H	LAT= 31.4	16- 1976/205/ 20.67H	LAT= 64.8
7- 1976/205/ 8.92H	LAT= 8.3	17- 1976/205/ 24.00H	LAT= 71.8
8- 1976/205/ 9.50H	LAT= -26.7	18- 1976/206/ 4.00H	LAT= 76.4
9- 1976/205/ 9.83H	LAT= -70.0		
10- 1976/205/ 9.92H	LAT= -60.5		

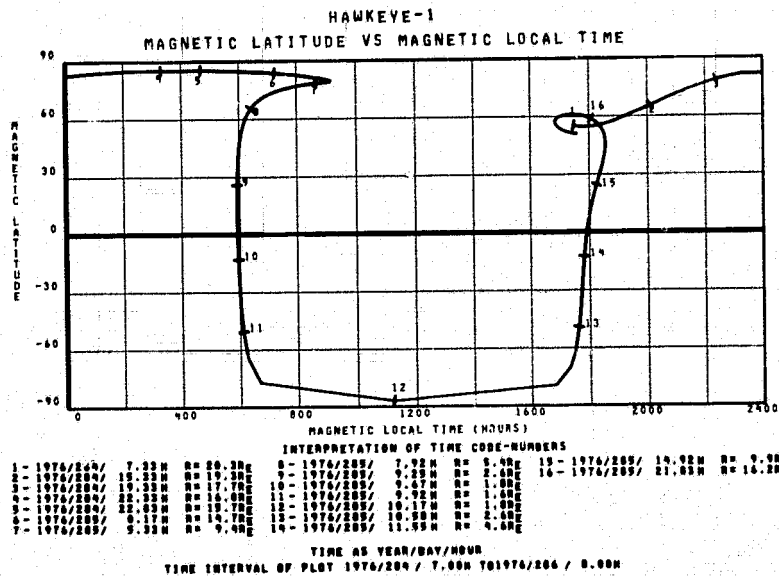
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/204/ 7.00H TO 1976/206/ 0.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/204/ 7.33H	R= 20.3RE	11- 1976/205/ 10.00H	R= 1.7RE
2- 1976/204/ 12.03H	R= 19.7RE	12- 1976/205/ 10.75H	R= 2.9RE
3- 1976/204/ 16.33H	R= 19.0RE	13- 1976/205/ 11.00H	R= 5.1RE
4- 1976/204/ 18.33H	R= 18.2RE	14- 1976/205/ 13.25H	R= 7.4RE
5- 1976/204/ 21.33H	R= 14.6RE	15- 1976/205/ 14.92H	R= 9.9RE
6- 1976/205/ 8.03H	R= 14.1RE	16- 1976/205/ 16.03H	R= 12.1RE
7- 1976/205/ 4.00H	R= 11.0RE	17- 1976/205/ 17.00H	R= 14.1RE
8- 1976/205/ 6.50H	R= 7.0RE	18- 1976/205/ 21.67H	R= 16.1RE
9- 1976/205/ 8.00H	R= 8.1RE	19- 1976/206/ 3.00H	R= 10.0RE
10- 1976/205/ 9.25H	R= 2.4RE	20- 1976/206/ 0.00H	R= 20.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/204/ 7.00H TO 1976/206/ 0.00H

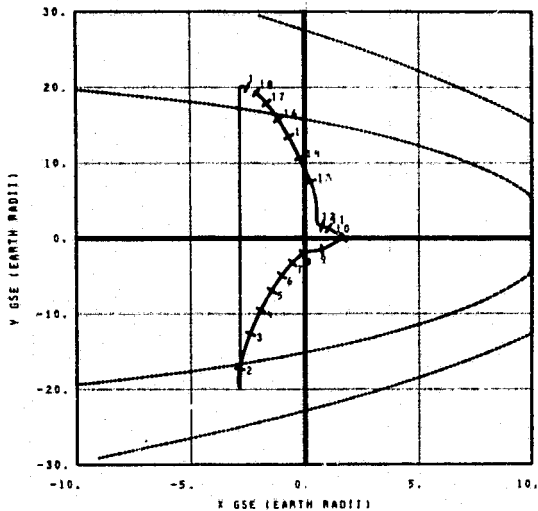


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/204/ 7.33H	R= 20.3RE	9- 1976/205/ 7.92H	R= 5.4RE	15- 1976/205/ 14.92H	R= 9.9RE
2- 1976/204/ 12.03H	R= 19.7RE	10- 1976/205/ 9.25H	R= 2.4RE	16- 1976/205/ 21.67H	R= 16.1RE
3- 1976/204/ 16.33H	R= 19.0RE	11- 1976/205/ 9.67H	R= 1.0RE		
4- 1976/204/ 18.33H	R= 18.2RE	12- 1976/205/ 9.92H	R= 1.0RE		
5- 1976/204/ 21.33H	R= 14.6RE	13- 1976/205/ 10.17H	R= 1.0RE		
6- 1976/205/ 8.03H	R= 14.1RE	14- 1976/205/ 10.50H	R= 2.6RE		
7- 1976/205/ 4.00H	R= 9.4RE	15- 1976/205/ 11.55H	R= 0.6RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/204/ 7.00H TO 1976/206/ 0.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

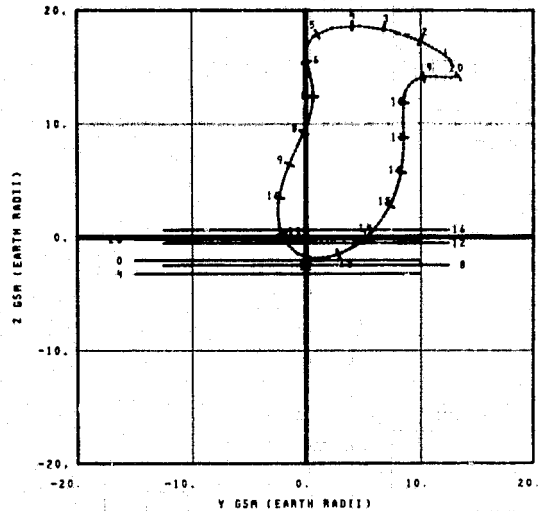


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/206/ 0.50H LAT= 88.0	11 - 1976/207/ 13.25H LAT= -72.4
2 - 1976/206/ 23.00H LAT= 74.2	12 - 1976/207/ 13.33H LAT= -60.1
3 - 1976/207/ 5.50H LAT= 65.0	13 - 1976/207/ 16.42H LAT= 41.4
4 - 1976/207/ 0.33H LAT= 55.4	14 - 1976/207/ 18.75H LAT= 33.9
5 - 1976/207/ 10.17H LAT= 43.0	15 - 1976/207/ 21.50H LAT= 22.0
6 - 1976/207/ 11.33H LAT= 29.4	16 - 1976/208/ 0.50H LAT= 67.0
7 - 1976/207/ 12.17H LAT= 7.0	17 - 1976/208/ 4.33H LAT= 73.2
8 - 1976/207/ 12.75H LAT= -32.0	18 - 1976/208/ 0.33H LAT= 77.4
9 - 1976/207/ 13.00H LAT= -73.7	
10 - 1976/207/ 13.17H LAT= -81.4	

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/206/ 0.00H TO 1976/208/ 9.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

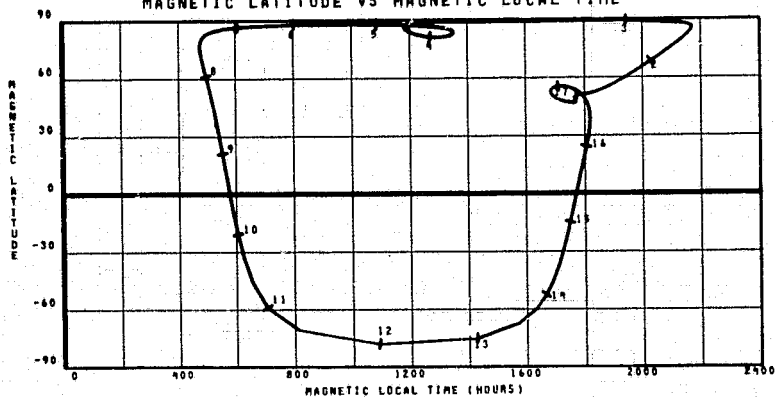


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/206/ 0.50H R= 20.1R _E	11 - 1976/207/ 12.47H R= 2.2R _E
2 - 1976/206/ 14.00H R= 20.2R _E	12 - 1976/207/ 13.33H R= 1.0R _E
3 - 1976/206/ 16.50H R= 19.0R _E	13 - 1976/207/ 14.00H R= 3.2R _E
4 - 1976/206/ 10.50H R= 19.3R _E	14 - 1976/207/ 15.17H R= 5.4R _E
5 - 1976/206/ 21.50H R= 10.2R _E	15 - 1976/207/ 16.50H R= 7.0R _E
6 - 1976/207/ 2.00H R= 15.7R _E	16 - 1976/207/ 18.25H R= 10.1R _E
7 - 1976/207/ 5.67H R= 12.7R _E	17 - 1976/207/ 20.17H R= 12.2R _E
8 - 1976/207/ 0.50H R= 9.5R _E	18 - 1976/207/ 22.03H R= 14.6R _E
9 - 1976/207/ 10.33H R= 4.0R _E	19 - 1976/208/ 3.33H R= 17.5R _E
10 - 1976/207/ 11.47H R= 4.3R _E	20 - 1976/208/ 0.33H R= 19.4R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/206/ 0.00H TO 1976/208/ 9.00H

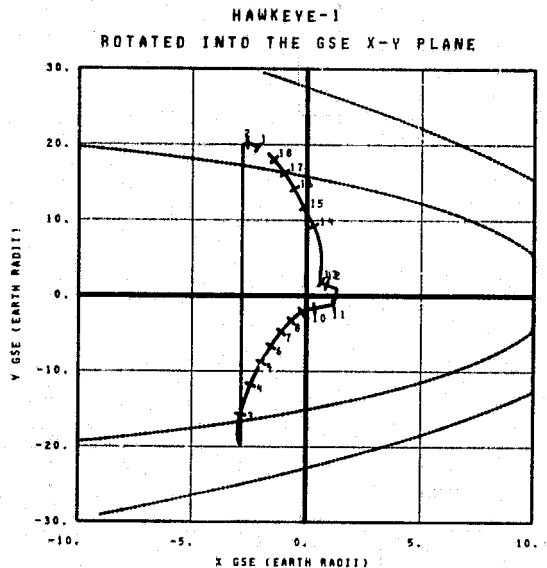
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/206/ 0.50H R= 20.1R _E	8 - 1976/207/ 11.50H R= 2.0R _E	15 - 1976/207/ 16.00H R= 3.3R _E
2 - 1976/206/ 23.00H R= 20.2R _E	9 - 1976/207/ 12.47H R= 2.2R _E	16 - 1976/207/ 18.25H R= 10.1R _E
3 - 1976/207/ 5.50H R= 19.0R _E	10 - 1976/207/ 13.33H R= 1.0R _E	17 - 1976/208/ 0.33H R= 19.4R _E
4 - 1976/207/ 0.33H R= 19.3R _E	11 - 1976/207/ 14.00H R= 3.2R _E	
5 - 1976/207/ 10.17H R= 10.2R _E	12 - 1976/207/ 15.17H R= 5.4R _E	
6 - 1976/207/ 2.00H R= 15.7R _E	13 - 1976/207/ 16.50H R= 7.0R _E	
7 - 1976/207/ 5.67H R= 12.7R _E	14 - 1976/207/ 18.25H R= 10.1R _E	

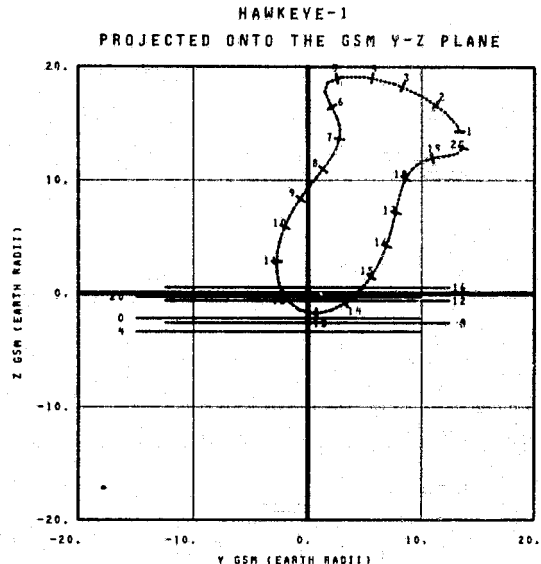
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/206/ 0.00H TO 1976/208/ 9.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/289/ 9.33H	LAT= 70.2	11- 1976/289/ 16.33H	LAT= -60.3
2- 1976/289/ 14.03H	LAT= 81.3	12- 1976/289/ 16.50H	LAT= -67.0
3- 1976/289/ 4.03H	LAT= 72.7	13- 1976/289/ 16.67H	LAT= -75.0
4- 1976/289/ 9.50H	LAT= 82.9	14- 1976/289/ 20.03H	LAT= 10.9
5- 1976/289/ 12.50H	LAT= 93.2	15- 1976/289/ 22.03H	LAT= 26.9
6- 1976/289/ 13.50H	LAT= 92.0	16- 1976/289/ 1.50H	LAT= 69.7
7- 1976/289/ 14.50H	LAT= 20.0	17- 1976/289/ 4.33H	LAT= 60.0
8- 1976/289/ 15.33H	LAT= 0.9	18- 1976/289/ 7.27H	LAT= 73.3
9- 1976/289/ 15.92H	LAT= -27.9		
10- 1976/289/ 16.29H	LAT= -69.6		

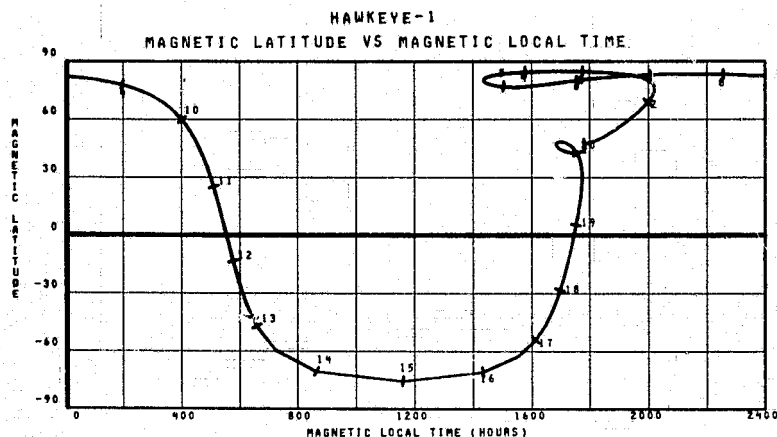
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/289/ 9.00H TO 1976/290/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/289/ 9.33H	R= 19.7RE	11- 1976/289/ 15.00H	R= 4.1RE
2- 1976/289/ 12.03H	R= 20.3RE	12- 1976/289/ 15.92H	R= 2.1RE
3- 1976/289/ 16.33H	R= 20.3RE	13- 1976/289/ 16.47H	R= 1.9RE
4- 1976/289/ 18.33H	R= 20.0RE	14- 1976/289/ 17.40H	R= 3.4RE
5- 1976/289/ 21.33H	R= 19.4RE	15- 1976/289/ 18.58H	R= 5.0RE
6- 1976/289/ 2.33H	R= 16.9RE	16- 1976/289/ 20.00H	R= 0.1RE
7- 1976/289/ 7.17H	R= 14.2RE	17- 1976/289/ 21.03H	R= 10.5RE
8- 1976/289/ 10.17H	R= 11.3RE	18- 1976/289/ 0.50H	R= 13.3RE
9- 1976/289/ 12.33H	R= 8.6RE	19- 1976/289/ 4.33H	R= 16.3RE
10- 1976/289/ 13.75H	R= 6.4RE	20- 1976/289/ 9.67H	R= 18.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/289/ 9.00H TO 1976/290/10.00H

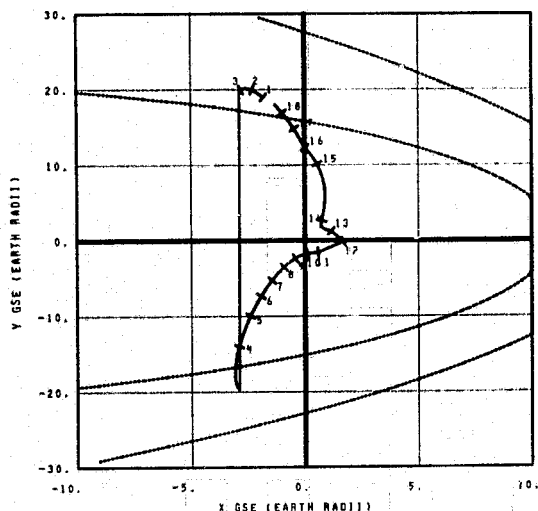


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/289/ 9.33H	R= 19.7RE	9- 1976/289/ 11.17H	R= 10.2RE	15- 1976/289/ 16.50H	R= 1.7RE
2- 1976/289/ 17.03H	R= 20.1RE	10- 1976/289/ 12.50H	R= 8.4RE	16- 1976/289/ 16.50H	R= 1.0RE
3- 1976/289/ 23.03H	R= 18.0RE	11- 1976/289/ 15.50H	R= 3.0RE	17- 1976/289/ 17.00H	R= 2.7RE
4- 1976/289/ 0.03H	R= 16.0RE	12- 1976/289/ 16.00H	R= 2.0RE	18- 1976/289/ 18.00H	R= 4.7RE
5- 1976/289/ 6.03H	R= 12.1RE	13- 1976/289/ 16.42H	R= 1.7RE	19- 1976/289/ 21.00H	R= 10.4RE
6- 1976/289/ 10.33H	R= 11.1RE	14- 1976/289/ 16.42H	R= 1.7RE	20- 1976/289/ 21.75H	R= 10.4RE

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/289 / 9.00H TO 1976/290 /10.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

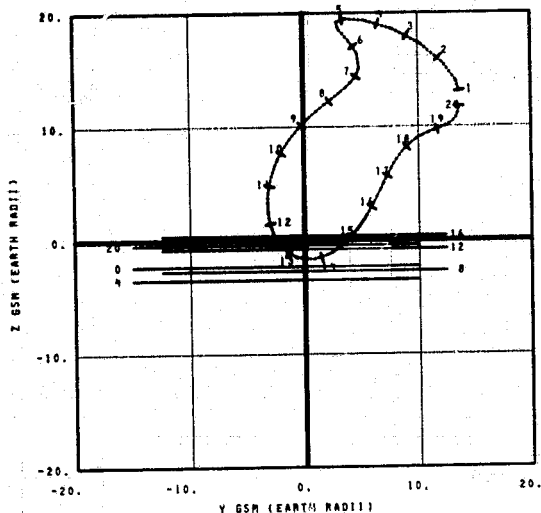


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/290/ 10.17H	LAT= 74.0	11- 1976/291/ 19.50H	LAT= -75.1
2- 1976/290/ 14.47H	LAT= 79.0	12- 1976/291/ 19.50H	LAT= -81.0
3- 1976/290/ 20.67H	LAT= 81.0	13- 1976/291/ 19.67H	LAT= -73.2
4- 1976/291/ 10.33H	LAT= 60.0	14- 1976/291/ 20.20H	LAT= -10.3
5- 1976/291/ 14.33H	LAT= 57.4	15- 1976/292/ 0.75H	LAT= 52.2
6- 1976/291/ 16.25H	LAT= 46.0	16- 1976/292/ 2.67H	LAT= 50.7
7- 1976/291/ 17.50H	LAT= 33.0	17- 1976/292/ 5.50H	LAT= 45.2
8- 1976/291/ 19.42H	LAT= 15.7	18- 1976/292/ 8.67H	LAT= 70.4
9- 1976/291/ 19.00H	LAT= -16.2		
10- 1976/291/ 19.42H	LAT= -63.0		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/290/10.00H TO 1976/292/11.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

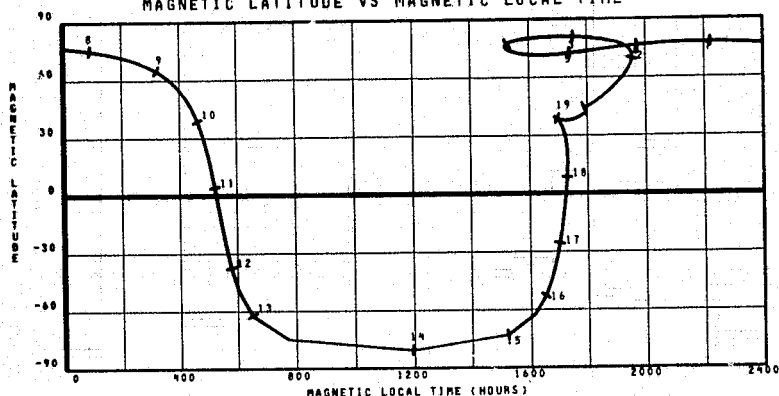


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/290/ 10.17H	R= 19.0R _E	11- 1976/291/ 17.25H	R= 5.0R _E
2- 1976/290/ 14.17H	R= 20.0R _E	12- 1976/291/ 18.50H	R= 3.0R _E
3- 1976/290/ 14.67H	R= 20.3R _E	13- 1976/291/ 19.33H	R= 1.0R _E
4- 1976/290/ 18.67H	R= 20.3R _E	14- 1976/291/ 20.00H	R= 2.1R _E
5- 1976/290/ 22.17H	R= 20.0R _E	15- 1976/291/ 20.50H	R= 4.6R _E
6- 1976/291/ 0.67H	R= 17.9R _E	16- 1976/291/ 22.25H	R= 6.6R _E
7- 1976/291/ 0.03H	R= 15.4R _E	17- 1976/291/ 24.00H	R= 9.2R _E
8- 1976/291/ 12.00H	R= 12.0R _E	18- 1976/292/ 2.50H	R= 12.1R _E
9- 1976/291/ 14.17H	R= 10.4R _E	19- 1976/292/ 4.00H	R= 15.0R _E
10- 1976/291/ 19.03H	R= 8.2R _E	20- 1976/292/ 10.03H	R= 10.0R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1976/290/10.00H TO 1976/292/11.00H

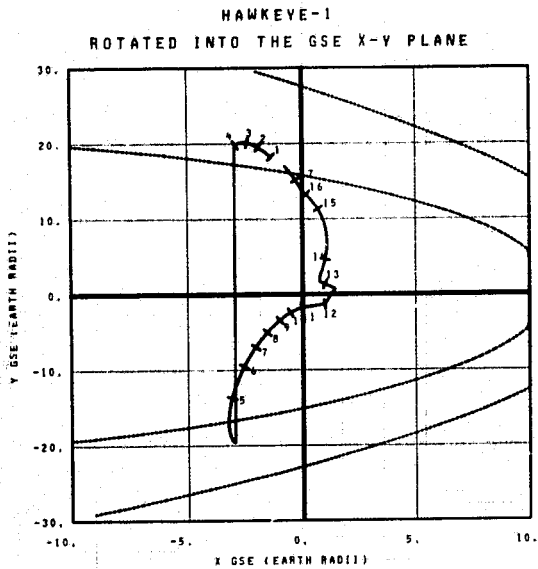
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/290/ 10.17H	R= 19.0R _E	8- 1976/291/ 14.50H	R= 10.0R _E	15- 1976/291/ 19.75H	R= 1.7R _E
2- 1976/290/ 14.47H	R= 20.3R _E	9- 1976/291/ 16.25H	R= 7.6R _E	16- 1976/291/ 19.25H	R= 2.0R _E
3- 1976/290/ 20.67H	R= 19.9R _E	10- 1976/291/ 18.00H	R= 4.5R _E	17- 1976/291/ 20.25H	R= 2.0R _E
4- 1976/291/ 10.33H	R= 19.4R _E	11- 1976/291/ 19.00H	R= 1.0R _E	18- 1976/291/ 21.13H	R= 4.5R _E
5- 1976/291/ 14.33H	R= 19.4R _E	12- 1976/291/ 19.50H	R= 1.7R _E	19- 1976/292/ 4.03H	R= 14.3R _E
6- 1976/291/ 16.25H	R= 19.4R _E	13- 1976/291/ 19.50H	R= 1.7R _E		
7- 1976/291/ 17.50H	R= 11.7R _E	14- 1976/291/ 19.67H	R= 1.7R _E		

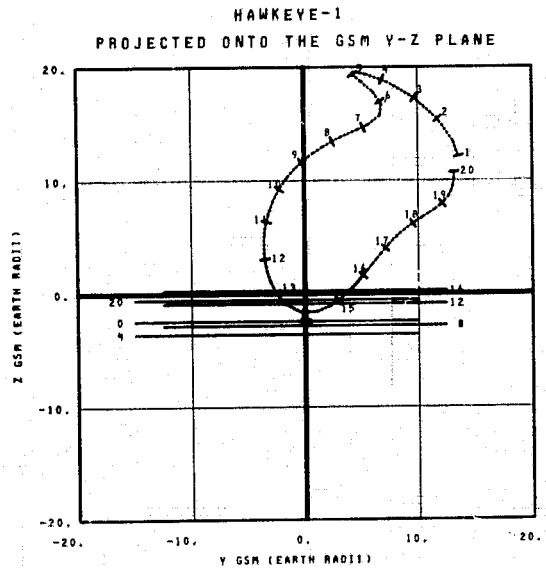
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/290/10.00H TO 1976/292/11.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/292/ 11.33H LAT= 73.0	11- 1976/293/ 22.58H LAT= -56.9
2- 1976/292/ 15.33H LAT= 77.0	12- 1976/293/ 22.75H LAT= -79.7
3- 1976/292/ 19.33H LAT= 80.6	13- 1976/293/ 22.92H LAT= -67.7
4- 1976/293/ 0.03H LAT= 81.7	14- 1976/294/ 0.47H LAT= 22.5
5- 1976/293/ 13.03H LAT= 68.3	15- 1976/294/ 5.00H LAT= 56.0
6- 1976/293/ 17.03H LAT= 56.3	16- 1976/294/ 6.03H LAT= 61.2
7- 1976/293/ 19.67H LAT= 45.3	17- 1976/294/ 9.17H LAT= 66.1
8- 1976/293/ 20.03H LAT= 32.1	
9- 1976/293/ 21.67H LAT= 12.5	
10- 1976/293/ 22.17H LAT= -12.4	

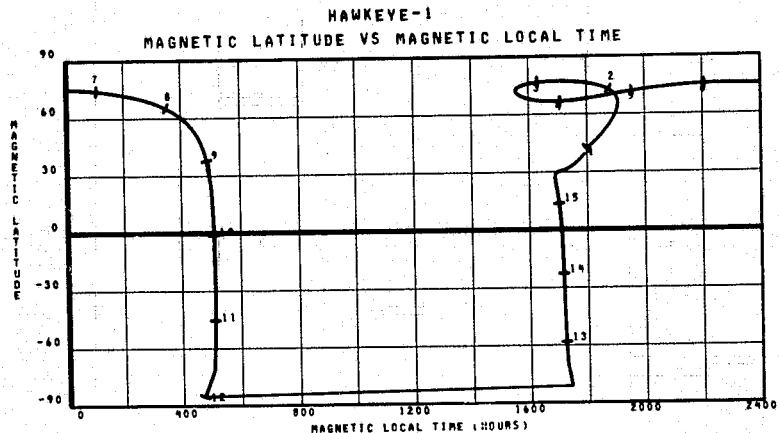
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/292/11.00H TO 1976/294/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/292/ 11.33H R= 10.38R	11- 1976/293/ 19.50H R= 7.58R
2- 1976/292/ 14.03H R= 19.58R	12- 1976/ 33/ 21.00H R= 4.98R
3- 1976/292/ 16.03H R= 19.98R	13- 1976/293/ 22.00H R= 2.68R
4- 1976/292/ 19.33H R= 20.38R	14- 1976/293/ 22.03H R= 1.68R
5- 1976/293/ 0.03H R= 20.08R	15- 1976/293/ 23.67H R= 3.18R
6- 1976/293/ 6.33H R= 19.58R	16- 1976/294/ 0.03H R= 5.58R
7- 1976/293/ 11.33H R= 15.98R	17- 1976/294/ 2.50H R= 0.28R
8- 1976/293/ 13.03H R= 14.08R	18- 1976/294/ 5.00H R= 11.48R
9- 1976/293/ 16.00H R= 12.08R	19- 1976/294/ 6.33H R= 14.58R
10- 1976/293/ 17.03H R= 9.98R	20- 1976/294/ 12.00H R= 17.08R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/292/11.00H TO 1976/294/12.00H

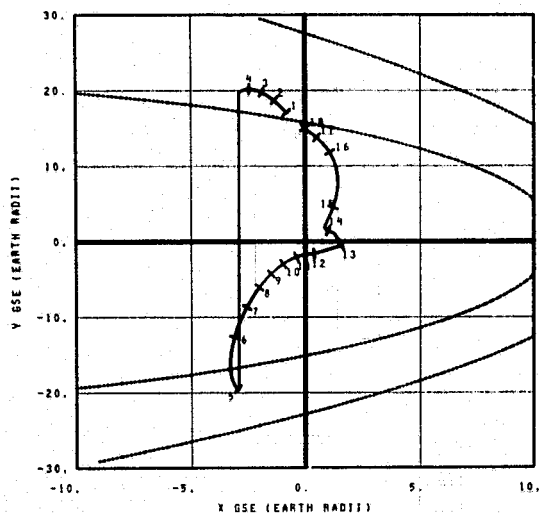


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/292/ 11.33H R= 10.38R	6- 1976/293/ 10.67H R= 8.08R	15- 1976/294/ 0.03H R= 5.58R
2- 1976/292/ 14.03H R= 19.58R	7- 1976/293/ 21.17H R= 4.68R	
3- 1976/292/ 16.03H R= 19.98R	8- 1976/293/ 22.17H R= 2.58R	
4- 1976/292/ 19.33H R= 20.38R	9- 1976/293/ 22.58H R= 1.78R	
5- 1976/293/ 0.03H R= 20.08R	10- 1976/293/ 22.92H R= 1.68R	
	11- 1976/293/ 23.67H R= 3.18R	
	12- 1976/293/ 24.03H R= 1.08R	
	13- 1976/293/ 25.00H R= 1.08R	
	14- 1976/293/ 25.50H R= 2.78R	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/292/11.00H TO 1976/294/12.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

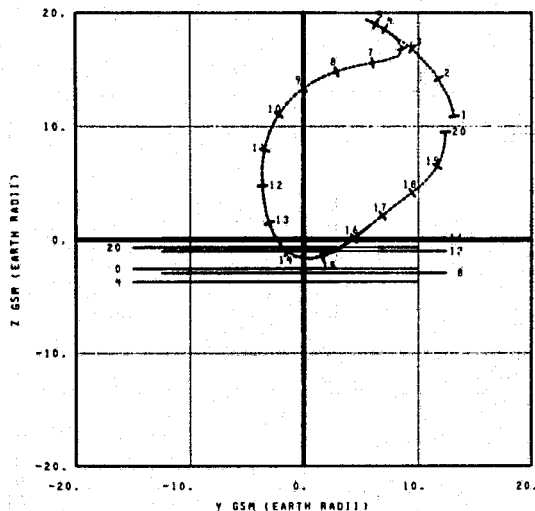


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/294/ 12.17H	LAT= 70.0	11- 1976/296/ 1.50H	LAT= -30.4
2- 1976/294/ 15.67H	LAT= 75.0	12- 1976/296/ 1.92H	LAT= -74.1
3- 1976/294/ 19.67H	LAT= 78.7	13- 1976/296/ 2.00H	LAT= -81.0
4- 1976/295/ 0.17H	LAT= 81.3	14- 1976/296/ 2.17H	LAT= -82.2
5- 1976/295/ 5.67H	LAT= 81.3	15- 1976/296/ 3.43H	LAT= 21.6
6- 1976/295/ 10.17H	LAT= 65.0	16- 1976/296/ 0.67H	LAT= 57.9
7- 1976/295/ 21.67H	LAT= 53.4	17- 1976/296/ 10.67H	LAT= 62.6
8- 1976/295/ 23.42H	LAT= 40.3	18- 1976/296/ 12.17H	LAT= 65.7
9- 1976/296/ 0.42H	LAT= 25.2		
10- 1976/296/ 1.00H	LAT= 4.4		

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/294/12.00H TO 1976/296/13.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

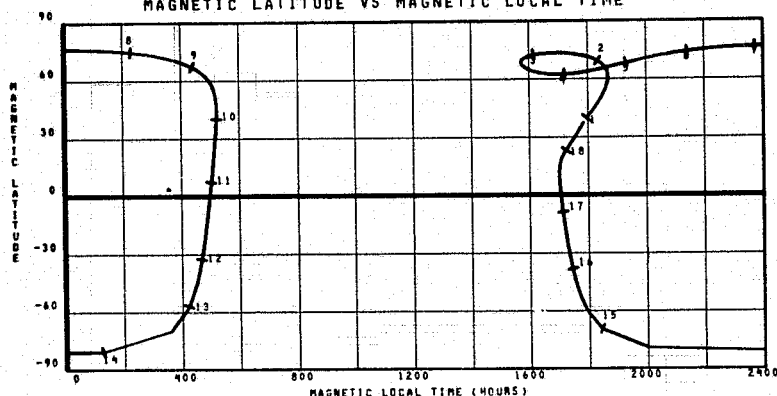


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/294/ 12.17H	R= 17.1Re	11- 1976/295/ 21.67H	R= 9.0Re
2- 1976/294/ 15.17H	R= 10.9Re	12- 1976/295/ 23.42H	R= 6.4Re
3- 1976/294/ 17.67H	R= 19.4Re	13- 1976/296/ 0.03H	R= 3.6Re
4- 1976/294/ 20.17H	R= 20.0Re	14- 1976/296/ 1.75H	R= 1.0Re
5- 1976/295/ 2.67H	R= 20.2Re	15- 1976/296/ 2.50H	R= 2.5Re
6- 1976/295/ 7.67H	R= 19.2Re	16- 1976/296/ 3.53H	R= 4.5Re
7- 1976/295/ 12.67H	R= 17.1Re	17- 1976/296/ 5.00H	R= 7.3Re
8- 1976/295/ 15.17H	R= 15.3Re	18- 1976/296/ 7.33H	R= 10.4Re
9- 1976/295/ 17.33H	R= 13.0Re	19- 1976/296/ 10.17H	R= 13.3Re
10- 1976/295/ 19.50H	R= 11.7Re	20- 1976/296/ 13.00H	R= 15.6Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/294/12.00H TO 1976/296/13.00H

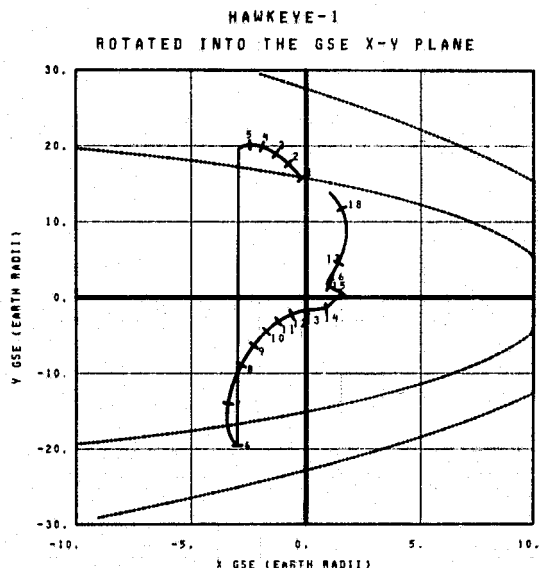
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/294/ 12.17H	R= 17.1Re	8- 1976/295/ 19.00H	R= 12.2Re	15- 1976/296/ 2.05H	R= 1.0Re
2- 1976/294/ 20.17H	R= 20.0Re	9- 1976/295/ 21.33H	R= 9.5Re	16- 1976/296/ 2.50H	R= 2.0Re
3- 1976/295/ 0.17H	R= 19.4Re	10- 1976/296/ 0.42H	R= 4.5Re	17- 1976/296/ 3.20H	R= 4.0Re
4- 1976/295/ 0.17H	R= 19.4Re	11- 1976/296/ 1.23H	R= 2.6Re	18- 1976/296/ 0.17H	R= 11.3Re
5- 1976/295/ 12.00H	R= 17.1Re	12- 1976/296/ 1.75H	R= 1.0Re		
6- 1976/295/ 12.33H	R= 15.3Re	13- 1976/296/ 1.92H	R= 1.6Re		
7- 1976/295/ 17.17H	R= 13.0Re	14- 1976/296/ 2.00H	R= 1.7Re		

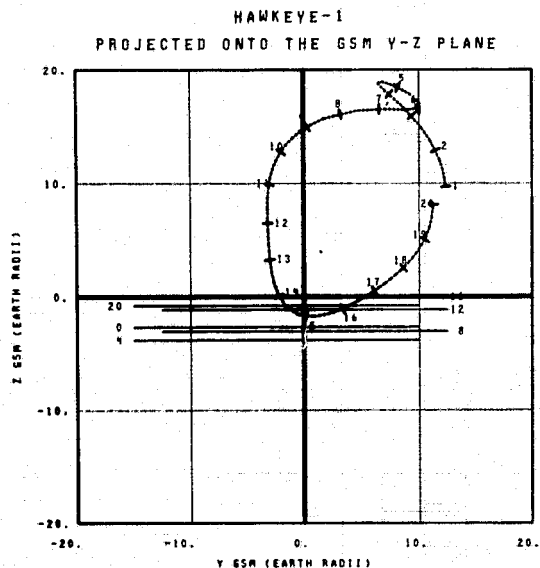
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/294/12.00H TO 1976/296/13.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/296/ 13.17H LAT= 67.4	11- 1976/298/ 4.17H LAT= 9.6
2- 1976/296/ 16.50H LAT= 72.2	12- 1976/298/ 9.67H LAT= -18.7
3- 1976/296/ 19.03H LAT= 76.0	13- 1976/298/ 5.08H LAT= -48.3
4- 1976/296/ 23.03H LAT= 79.4	14- 1976/298/ 5.17H LAT= -79.5
5- 1976/297/ 3.03H LAT= 81.5	15- 1976/298/ 5.25H LAT= -79.1
6- 1976/297/ 8.03H LAT= 81.3	16- 1976/298/ 5.42H LAT= -96.4
7- 1976/297/ 19.03H LAT= 69.2	17- 1976/298/ 6.00H LAT= 22.3
8- 1976/298/ 0.67H LAT= 59.4	18- 1976/298/ 11.03H LAT= 57.7
9- 1976/298/ 2.92H LAT= 92.4	
10- 1976/298/ 3.50H LAT= 27.7	

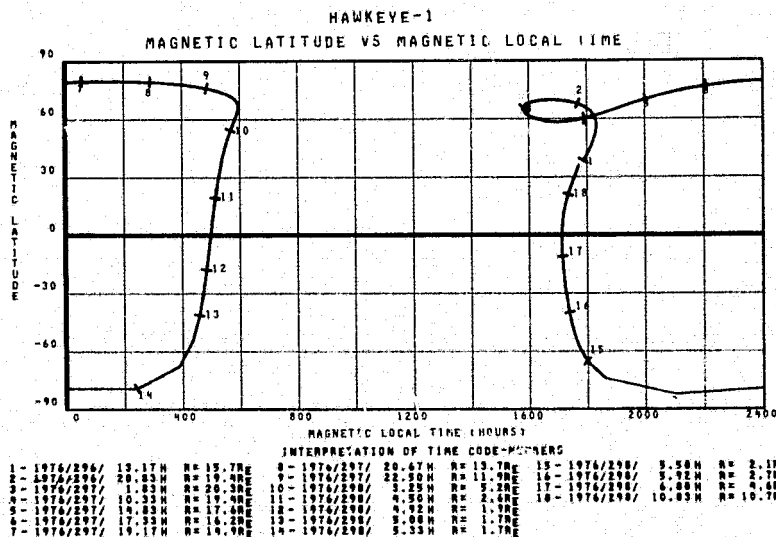
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/296/13.00H TO 1976/298/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/296/ 13.17H R= 15.7RE	11- 1976/297/ 23.50H R= 10.0RE
2- 1976/296/ 16.57H R= 17.3RE	12- 1976/298/ 1.03H R= 7.7RE
3- 1976/296/ 18.33H R= 18.9RE	13- 1976/298/ 3.50H R= 4.8RE
4- 1976/296/ 20.03H R= 19.4RE	14- 1976/298/ 4.67H R= 2.3RE
5- 1976/297/ 3.03H R= 20.3RE	15- 1976/298/ 5.42H R= 1.0RE
6- 1976/297/ 8.03H R= 19.5RE	16- 1976/298/ 6.33H R= 3.6RE
7- 1976/297/ 13.03H R= 18.1RE	17- 1976/298/ 7.67H R= 6.2RE
8- 1976/297/ 16.33H R= 16.0RE	18- 1976/298/ 9.50H R= 9.0RE
9- 1976/297/ 18.50H R= 15.4RE	19- 1976/298/ 11.67H R= 11.7RE
10- 1976/297/ 21.00H R= 13.4RE	20- 1976/298/ 14.00H R= 13.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/296/13.00H TO 1976/298/14.00H



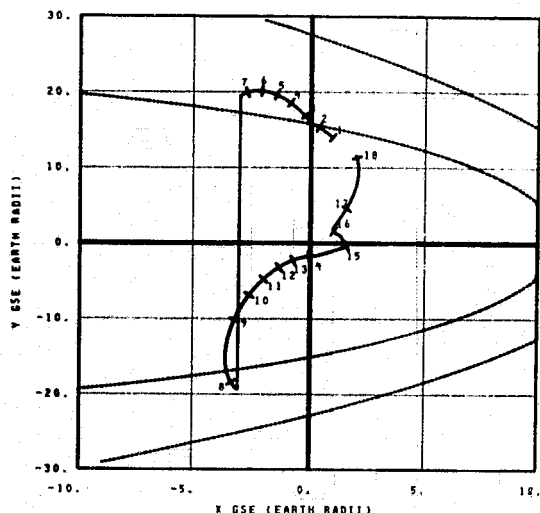
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/296/ 13.17H R= 15.7RE	8- 1976/297/ 20.67H R= 13.7RE	15- 1976/298/ 9.50H R= 2.1RE
2- 1976/296/ 20.33H R= 19.4RE	9- 1976/297/ 22.50H R= 11.9RE	16- 1976/298/ 9.72H R= 2.7RE
3- 1976/297/ 1.03H R= 20.3RE	10- 1976/298/ 5.25H R= 5.2RE	17- 1976/298/ 6.00H R= 4.6RE
4- 1976/297/ 10.33H R= 19.4RE	11- 1976/298/ 4.50H R= 2.6RE	18- 1976/298/ 10.03H R= 10.7RE
5- 1976/297/ 17.33H R= 14.2RE	12- 1976/298/ 4.12H R= 1.7RE	
6- 1976/297/ 19.17H R= 14.9RE	13- 1976/298/ 5.08H R= 1.7RE	
7- 1976/297/ 19.17H R= 14.9RE	14- 1976/298/ 5.33H R= 1.7RE	

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/296/13.00H TO 1976/298/14.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/298/ 14.17H	LAT= 63.2	11- 1976/300/ 6.50H	LAT= 31.4
2- 1976/298/ 15.03H	LAT= 66.4	12- 1976/300/ 7.23H	LAT= 10.9
3- 1976/298/ 18.17H	LAT= 70.1	13- 1976/300/ 7.83H	LAT= -10.1
4- 1976/298/ 21.67H	LAT= 74.5	14- 1976/300/ 8.25H	LAT= -63.0
5- 1976/299/ 1.17H	LAT= 77.9	15- 1976/300/ 8.42H	LAT= -81.0
6- 1976/299/ 9.17H	LAT= 80.7	16- 1976/300/ 8.67H	LAT= -50.4
7- 1976/299/ 9.67H	LAT= 81.8	17- 1976/300/ 10.13H	LAT= 23.1
8- 1976/299/ 15.67H	LAT= 79.1	18- 1976/300/ 14.75H	LAT= 56.2
9- 1976/300/ 2.03H	LAT= 58.9		
10- 1976/300/ 5.25H	LAT= 49.7		

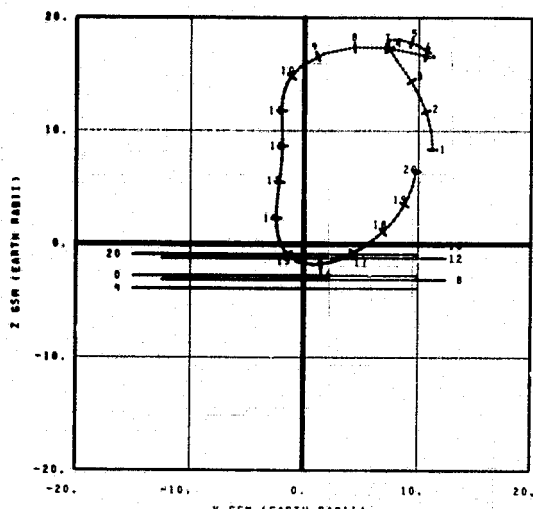
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/298/14.00H TO 1976/300/15.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/298/ 14.17H	R= 14.0RE	11- 1976/300/ 1.17H	R= 12.4RE
2- 1976/298/ 16.50H	R= 15.0RE	12- 1976/300/ 3.03H	R= 9.4RE
3- 1976/298/ 18.67H	R= 17.1RE	13- 1976/300/ 5.03H	R= 6.4RE
4- 1976/298/ 22.17H	R= 18.0RE	14- 1976/300/ 7.25H	R= 3.0RE
5- 1976/299/ 9.17H	R= 20.2RE	15- 1976/300/ 8.25H	R= 1.7RE
6- 1976/299/ 11.17H	R= 19.9RE	16- 1976/300/ 9.00H	R= 2.5RE
7- 1976/299/ 14.67H	R= 19.0RE	17- 1976/300/ 9.97H	R= 4.5RE
8- 1976/299/ 16.67H	R= 18.2RE	18- 1976/300/ 11.42H	R= 7.1RE
9- 1976/299/ 19.17H	R= 17.0RE	19- 1976/300/ 13.00H	R= 9.5RE
10- 1976/299/ 21.03H	R= 15.3RE	20- 1976/300/ 15.00H	R= 11.0RE

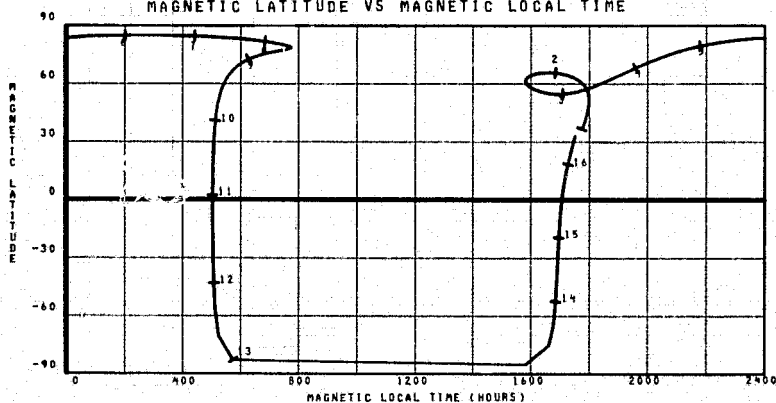
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/298/14.00H TO 1976/300/15.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

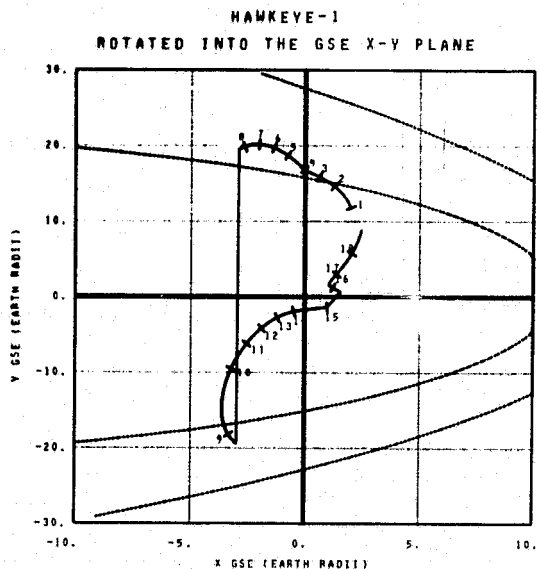


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/298/ 14.17H	R= 14.0RE	8- 1976/299/ 24.00H	R= 13.5RE	15- 1976/300/ 9.75H	R= 9.1RE
2- 1976/298/ 16.50H	R= 15.0RE	9- 1976/300/ 5.50H	R= 6.9RE	16- 1976/300/ 12.75H	R= 9.1RE
3- 1976/298/ 18.67H	R= 17.1RE	10- 1976/300/ 7.83H	R= 5.2RE		
4- 1976/299/ 9.17H	R= 20.2RE	11- 1976/300/ 8.00H	R= 2.0RE		
5- 1976/299/ 11.17H	R= 19.9RE	12- 1976/300/ 8.25H	R= 1.7RE		
6- 1976/299/ 14.67H	R= 19.0RE	13- 1976/300/ 8.50H	R= 1.7RE		
7- 1976/299/ 16.67H	R= 18.2RE	14- 1976/300/ 9.00H	R= 2.5RE		

TIME AS YEAR/DAY/HOUR

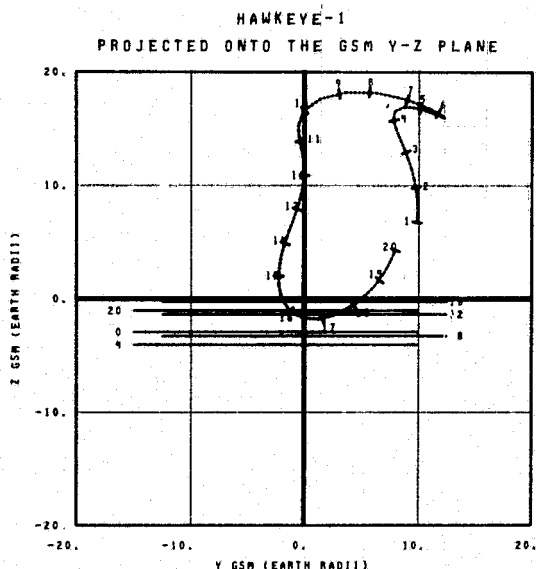
TIME INTERVAL OF PLOT 1976/298/14.00H TO 1976/300/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/300/ 15.17H	LAT= 97.5	11- 1976/302/ 8.03H	LAT= 42.4
2- 1976/300/ 18.17H	LAT= 64.7	12- 1976/302/ 10.00H	LAT= 25.9
3- 1976/300/ 19.03H	LAT= 67.7	13- 1976/302/ 10.75H	LAT= 1.0
4- 1976/300/ 21.33H	LAT= 70.0	14- 1976/302/ 11.25H	LAT= -34.3
5- 1976/301/ 1.33H	LAT= 74.9	15- 1976/302/ 11.50H	LAT= -80.6
6- 1976/301/ 4.03H	LAT= 78.2	16- 1976/302/ 11.75H	LAT= -46.6
7- 1976/301/ 8.03H	LAT= 85.9	17- 1976/302/ 12.50H	LAT= 2.4
8- 1976/301/ 13.33H	LAT= 81.0	18- 1976/302/ 14.00H	LAT= 32.0
9- 1976/301/ 19.33H	LAT= 78.7		
10- 1976/302/ 6.50H	LAT= 97.1		

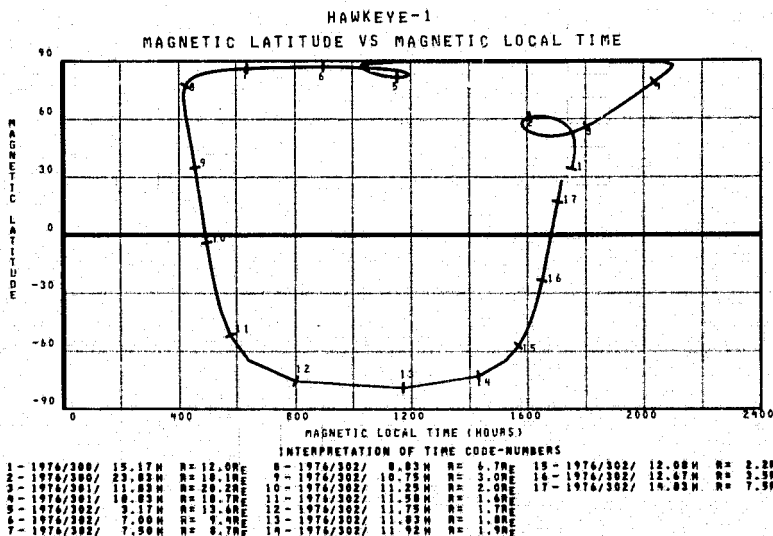
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/300/15.00H TO 1976/302/16.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/300/ 15.17H	R= 12.0RE	11- 1976/302/ 2.17H	R= 14.4RE
2- 1976/300/ 17.17H	R= 13.9RE	12- 1976/302/ 5.33H	R= 11.4RE
3- 1976/300/ 19.50H	R= 15.7RE	13- 1976/302/ 7.67H	R= 6.50RE
4- 1976/300/ 22.67H	R= 17.6RE	14- 1976/302/ 9.42H	R= 5.30RE
5- 1976/301/ 4.33H	R= 19.7RE	15- 1976/302/ 10.50H	R= 3.30RE
6- 1976/301/ 11.33H	R= 20.3RE	16- 1976/302/ 11.50H	R= 1.7RE
7- 1976/301/ 14.33H	R= 19.9RE	17- 1976/302/ 12.25H	R= 2.4RE
8- 1976/301/ 16.03H	R= 19.3RE	18- 1976/302/ 13.10H	R= 9.4RE
9- 1976/301/ 18.03H	R= 18.7RE	19- 1976/302/ 14.50H	R= 6.50RE
10- 1976/301/ 22.33H	R= 17.0RE	20- 1976/302/ 16.00H	R= 9.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/300/15.00H TO 1976/302/16.00H

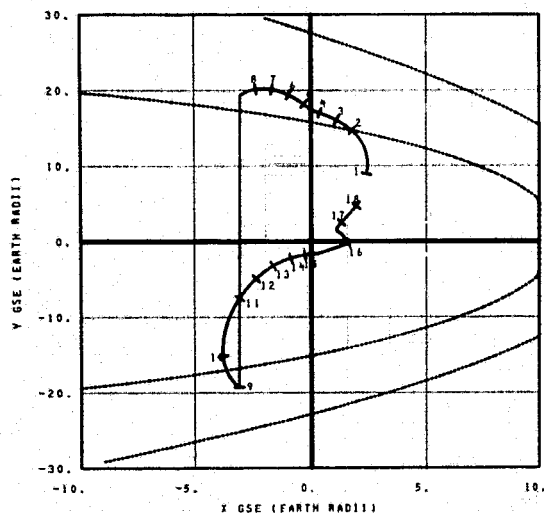


TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/300 /15.00H TO 1976/302 /16.00H

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OF POOR QUALITY

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/302/ 16.00H	LAT= 78.6	11 - 1976/304/ 11.17H	LAT= 90.1
2 - 1976/302/ 21.50H	LAT= 64.9	12 - 1976/304/ 12.75H	LAT= 34.6
3 - 1976/302/ 23.33H	LAT= 66.1	13 - 1976/304/ 13.67H	LAT= 13.6
4 - 1976/303/ 0.63H	LAT= 73.3	14 - 1976/304/ 14.25H	LAT= -16.0
5 - 1976/303/ 3.17H	LAT= 73.3	15 - 1976/304/ 14.50H	LAT= -52.5
6 - 1976/303/ 6.67H	LAT= 77.0	16 - 1976/304/ 14.83H	LAT= -81.4
7 - 1976/303/ 10.67H	LAT= 80.1	17 - 1976/304/ 15.90H	LAT= -7.2
8 - 1976/303/ 14.67H	LAT= 81.7	18 - 1976/304/ 16.67H	LAT= 25.2
9 - 1976/303/ 19.67H	LAT= 80.8		
10 - 1976/304/ 3.63H	LAT= 72.3		

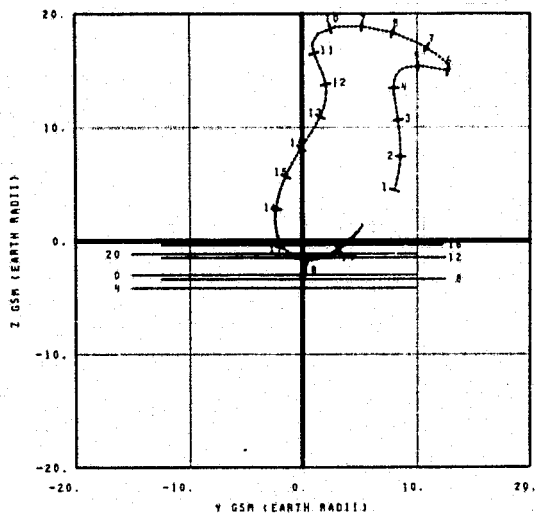
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/302/16.00H TO 1976/304/17.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/302/ 16.00H	R= 9.3Re	11 - 1976/304/ 1.67H	R= 17.0Re
2 - 1976/302/ 21.50H	R= 11.4Re	12 - 1976/304/ 5.33H	R= 14.4Re
3 - 1976/302/ 23.33H	R= 13.5Re	13 - 1976/304/ 6.33H	R= 11.6Re
4 - 1976/303/ 0.63H	R= 15.7Re	14 - 1976/304/ 10.67H	R= 0.6Re
5 - 1976/303/ 3.67H	R= 10.4Re	15 - 1976/304/ 12.17H	R= 6.5Re
6 - 1976/303/ 7.67H	R= 19.7Re	16 - 1976/304/ 13.42H	R= 9.1Re
7 - 1976/303/ 13.67H	R= 20.3Re	17 - 1976/304/ 14.42H	R= 2.0Re
8 - 1976/303/ 16.17H	R= 20.1Re	18 - 1976/304/ 15.80H	R= 1.9Re
9 - 1976/303/ 18.17H	R= 19.6Re	19 - 1976/304/ 15.90H	R= 3.5Re
10 - 1976/303/ 20.67H	R= 19.1Re		

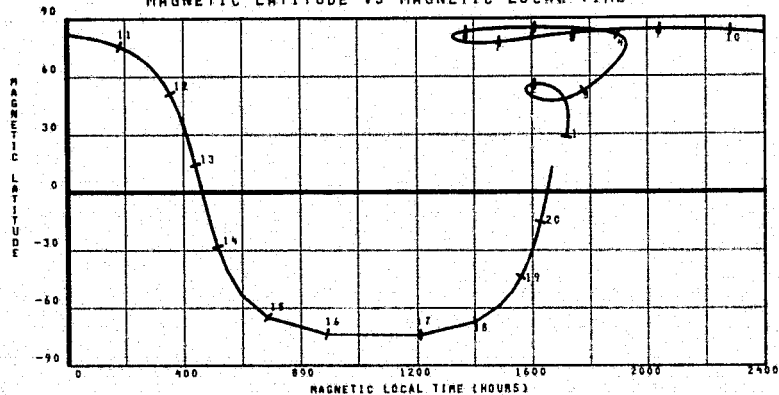
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/302/16.00H TO 1976/304/17.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

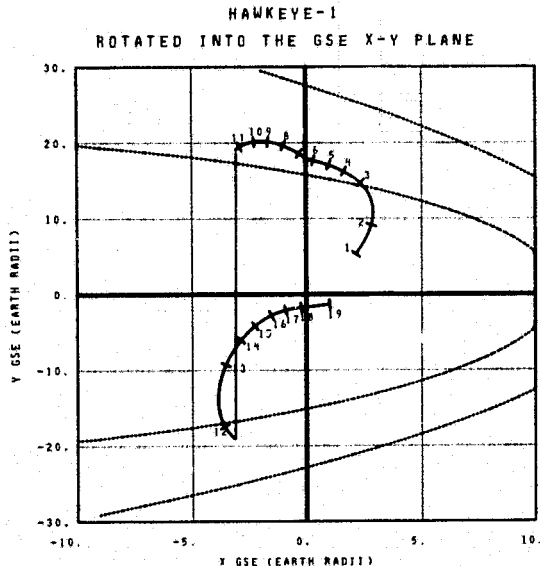


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/302/ 16.00H	R= 9.3Re	8 - 1976/304/ 8.33H	R= 11.6Re	15 - 1976/304/ 14.83H	R= 3.6Re
2 - 1976/302/ 21.50H	R= 16.2Re	9 - 1976/304/ 9.33H	R= 10.3Re	16 - 1976/304/ 14.92H	R= 1.7Re
3 - 1976/303/ 11.67H	R= 20.3Re	10 - 1976/304/ 10.17H	R= 9.3Re	17 - 1976/304/ 15.00H	R= 1.0Re
4 - 1976/303/ 20.17H	R= 19.3Re	11 - 1976/304/ 11.50H	R= 7.6Re	18 - 1976/304/ 15.33H	R= 2.3Re
5 - 1976/303/ 23.17H	R= 18.6Re	12 - 1976/304/ 13.50H	R= 4.5Re	19 - 1976/304/ 15.33H	R= 2.3Re
6 - 1976/303/ 23.67H	R= 18.0Re	13 - 1976/304/ 14.17H	R= 2.5Re	20 - 1976/304/ 15.83H	R= 3.4Re
7 - 1976/304/ 9.67H	R= 14.2Re	14 - 1976/304/ 14.50H	R= 1.0Re		

TIME AS YEAR/DAY/HOUR

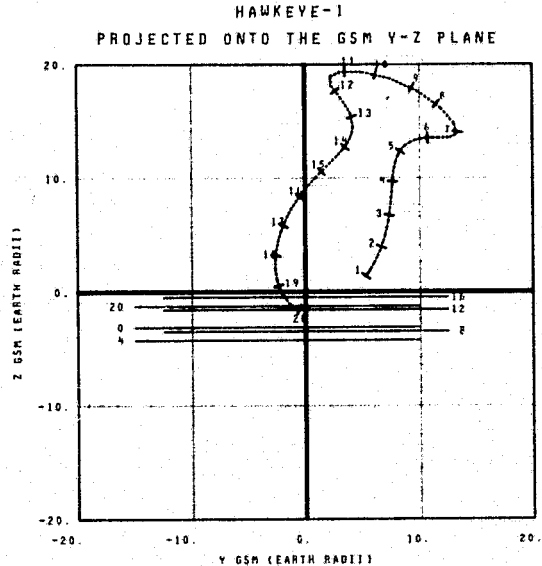
TIME INTERVAL OF PLOT 1976/302 /16.00H TO 1976/304 /17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/304/ 17.00H	LAT= 30.2	11- 1976/305/ 21.03H	LAT= 81.4
2- 1976/304/ 19.50H	LAT= 49.6	12- 1976/306/ 3.33H	LAT= 77.3
3- 1976/305/ 0.03H	LAT= 65.1	13- 1976/306/ 13.00H	LAT= 56.9
4- 1976/305/ 2.03H	LAT= 68.5	14- 1976/306/ 15.25H	LAT= 42.5
5- 1976/305/ 4.17H	LAT= 70.4	15- 1976/306/ 16.33H	LAT= 27.4
6- 1976/305/ 5.33H	LAT= 72.0	16- 1976/306/ 17.00H	LAT= 5.8
7- 1976/305/ 7.33H	LAT= 74.3	17- 1976/306/ 17.50H	LAT= -20.4
8- 1976/305/ 10.03H	LAT= 77.7	18- 1976/306/ 17.03H	LAT= -30.0
9- 1976/305/ 14.33H	LAT= 80.3	19- 1976/306/ 18.00H	LAT= -81.1
10- 1976/305/ 17.03H	LAT= 81.7		

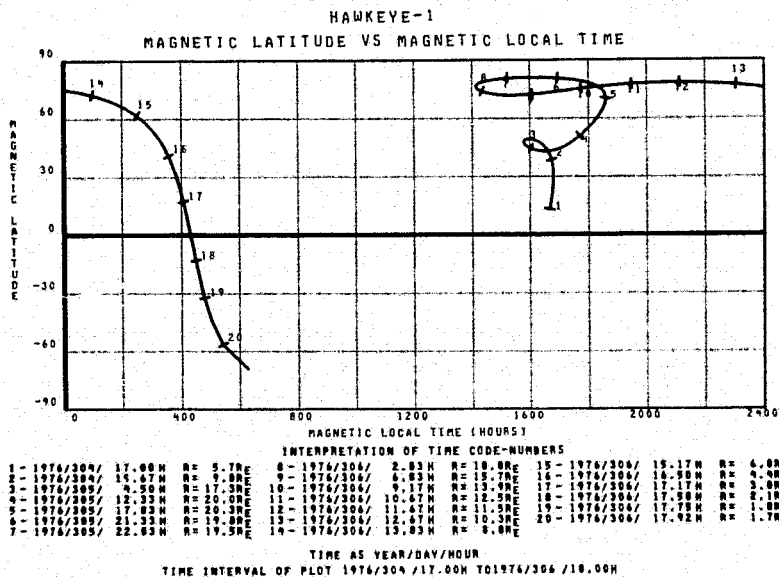
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/304/17.00H TO 1976/306/18.00H



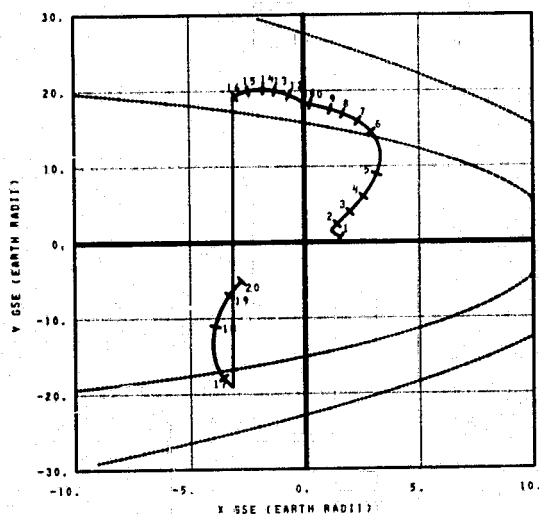
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/304/ 17.00H	R= 5.7RE	11- 1976/305/ 20.03H	R= 19.9RE
2- 1976/304/ 18.33H	R= 7.9RE	12- 1976/306/ 2.33H	R= 18.2RE
3- 1976/304/ 19.92H	R= 10.1RE	13- 1976/306/ 5.03H	R= 16.4RE
4- 1976/304/ 22.00H	R= 12.4RE	14- 1976/306/ 9.33H	R= 13.0RE
5- 1976/305/ 0.03H	R= 14.9RE	15- 1976/306/ 11.03H	R= 11.3RE
6- 1976/305/ 4.50H	R= 17.3RE	16- 1976/306/ 13.47H	R= 9.2RE
7- 1976/305/ 9.03H	R= 19.4RE	17- 1976/306/ 15.17H	R= 6.0RE
8- 1976/305/ 13.03H	R= 20.2RE	18- 1976/306/ 16.33H	R= 4.7RE
9- 1976/305/ 15.03H	R= 20.3RE	19- 1976/306/ 17.25H	R= 2.0RE
10- 1976/305/ 18.33H	R= 20.2RE	20- 1976/306/ 18.00H	R= 1.4RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/304/17.00H TO 1976/306/18.00H



HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

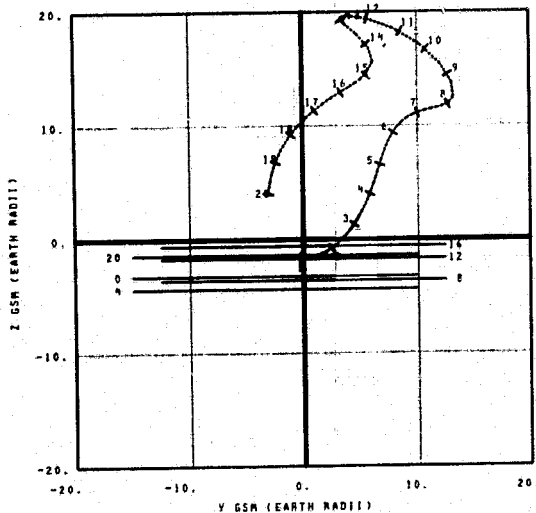


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/306/ 10.00H LAT= -77.1	11- 1976/307/ 10.17H LAT= 73.9
2- 1976/306/ 10.75H LAT= -9.3	12- 1976/307/ 10.17H LAT= 76.9
3- 1976/306/ 10.95H LAT= 10.9	13- 1976/307/ 10.17H LAT= 79.9
4- 1976/306/ 20.67H LAT= 39.5	14- 1976/307/ 10.67H LAT= 80.9
5- 1976/306/ 22.67H LAT= 49.4	15- 1976/307/ 22.17H LAT= 81.8
6- 1976/307/ 4.00H LAT= 64.9	16- 1976/308/ 1.67H LAT= 81.1
7- 1976/307/ 5.03H LAT= 68.1	17- 1976/308/ 5.67H LAT= 78.2
8- 1976/307/ 7.33H LAT= 70.3	18- 1976/308/ 19.67H LAT= 62.4
9- 1976/307/ 8.33H LAT= 71.7	19- 1976/308/ 17.03H LAT= 47.8
10- 1976/307/ 9.67H LAT= 73.3	20- 1976/308/ 19.00H LAT= 36.3

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/306/10.00H TO 1976/308/19.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

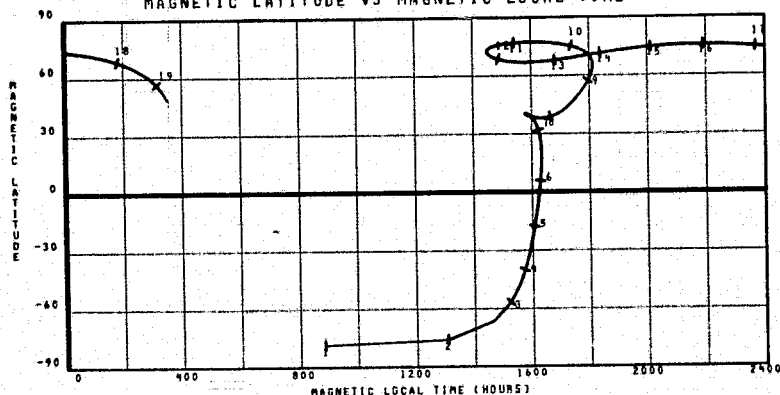


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/306/ 10.00H R= 1.7Re	11- 1976/307/ 17.17H R= 20.2Re
2- 1976/306/ 10.03H R= 3.0Re	12- 1976/308/ 19.67H R= 20.3Re
3- 1976/306/ 19.02H R= 5.0Re	13- 1976/308/ 9.67H R= 19.0Re
4- 1976/306/ 21.17H R= 7.4Re	14- 1976/308/ 9.17H R= 18.9Re
5- 1976/306/ 22.75H R= 9.4Re	15- 1976/308/ 9.67H R= 16.0Re
6- 1976/307/ 1.17H R= 12.4Re	16- 1976/308/ 12.33H R= 14.0Re
7- 1976/307/ 4.17H R= 15.0Re	17- 1976/308/ 14.33H R= 12.1Re
8- 1976/307/ 6.00H R= 17.4Re	18- 1976/308/ 16.17H R= 10.0Re
9- 1976/307/ 12.67H R= 19.3Re	19- 1976/308/ 17.67H R= 7.9Re
10- 1976/307/ 19.17H R= 19.9Re	20- 1976/308/ 19.00H R= 5.7Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/306/10.00H TO 1976/308/19.00H

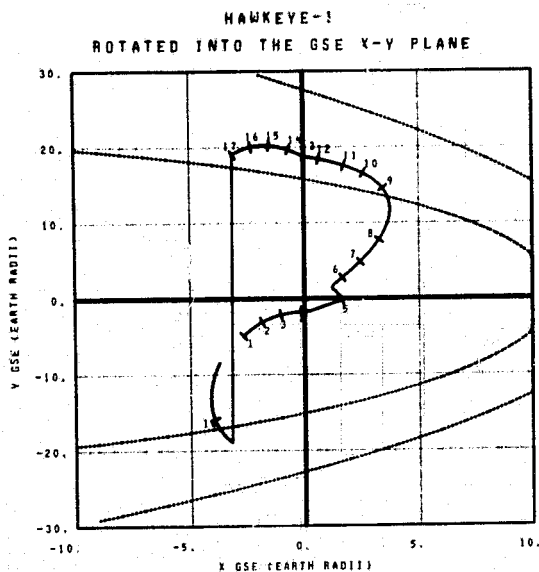
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/306/ 10.00H R= 1.7Re	8- 1976/307/ 8.00H R= 17.9Re	15- 1976/308/ 12.50H R= 13.0Re
2- 1976/306/ 10.17H R= 1.7Re	9- 1976/307/ 19.17H R= 19.9Re	16- 1976/308/ 13.03H R= 12.6Re
3- 1976/306/ 19.33H R= 1.9Re	10- 1976/307/ 20.17H R= 20.3Re	17- 1976/308/ 16.03H R= 11.0Re
4- 1976/306/ 19.50H R= 2.2Re	11- 1976/307/ 22.67H R= 20.1Re	18- 1976/308/ 16.67H R= 9.3Re
5- 1976/306/ 19.50H R= 4.0Re	12- 1976/308/ 5.67H R= 19.0Re	19- 1976/308/ 18.33H R= 6.9Re
6- 1976/306/ 21.50H R= 8.0Re	13- 1976/308/ 8.17H R= 16.0Re	
	14- 1976/308/ 10.67H R= 15.3Re	

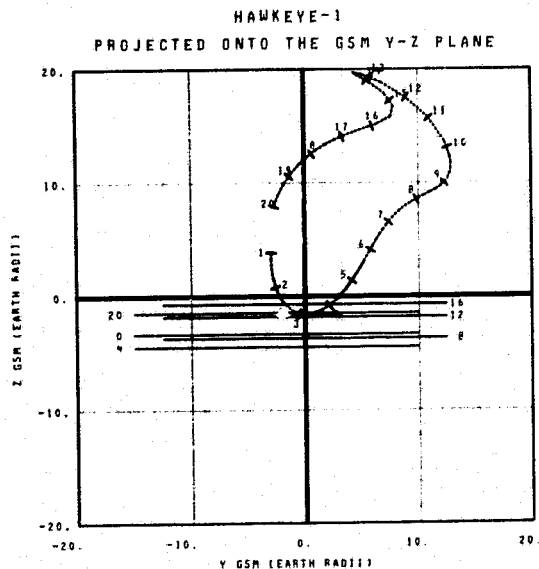
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/306/10.00H TO 1976/308/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/308/ 19.08H	LAT= 35.2	11- 1976/309/ 11.47H	LAT= 71.8
2- 1976/308/ 20.08H	LAT= 13.5	12- 1976/309/ 13.33H	LAT= 73.0
3- 1976/308/ 20.47H	LAT= -17.1	13- 1976/309/ 14.33H	LAT= 74.9
4- 1976/308/ 21.08H	LAT= -69.2	14- 1976/309/ 17.33H	LAT= 77.7
5- 1976/308/ 21.25H	LAT= -81.0	15- 1976/309/ 21.33H	LAT= 80.6
6- 1976/308/ 22.17H	LAT= 1.0	16- 1976/310/ 1.33H	LAT= 81.0
7- 1976/308/ 23.25H	LAT= 27.0	17- 1976/310/ 5.03H	LAT= 80.6
8- 1976/308/ 7.00H	LAT= 49.0	18- 1976/310/ 12.33H	LAT= 74.1
9- 1976/309/ 7.33H	LAT= 69.1		
10- 1976/309/ 10.00H	LAT= 69.9		

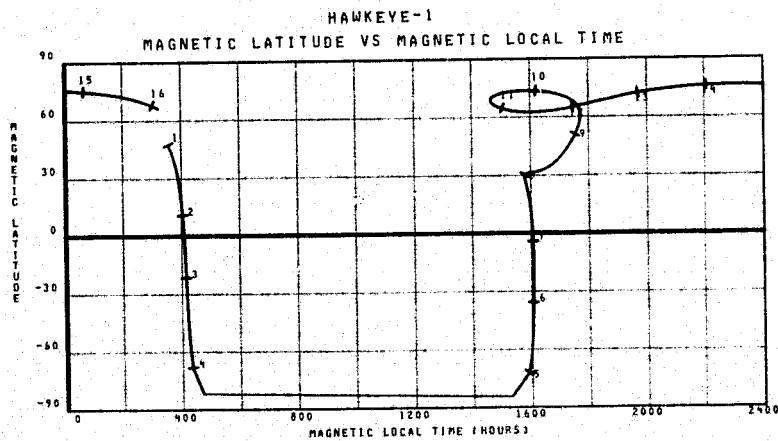
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/308/19.00H TO 1976/310/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/308/ 19.08H	R= 5.6RE	11- 1976/309/ 15.33H	R= 19.1RE
2- 1976/308/ 20.25H	R= 3.2RE	12- 1976/309/ 17.33H	R= 19.7RE
3- 1976/308/ 21.17H	R= 1.6RE	13- 1976/309/ 20.33H	R= 20.2RE
4- 1976/308/ 21.92H	R= 2.7RE	14- 1976/310/ 2.03H	R= 20.0RE
5- 1976/308/ 22.93H	R= 4.8RE	15- 1976/310/ 4.33H	R= 19.1RE
6- 1976/309/ 0.42H	R= 7.4RE	16- 1976/310/ 11.03H	R= 16.6RE
7- 1976/309/ 2.33H	R= 10.1RE	17- 1976/310/ 14.17H	R= 15.1RE
8- 1976/309/ 5.17H	R= 13.1RE	18- 1976/310/ 16.33H	R= 13.2RE
9- 1976/309/ 9.07H	R= 15.9RE	19- 1976/310/ 18.17H	R= 11.4RE
10- 1976/309/ 12.03H	R= 18.2RE	20- 1976/310/ 20.00H	R= 9.2RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/308/19.00H TO 1976/310/20.00H

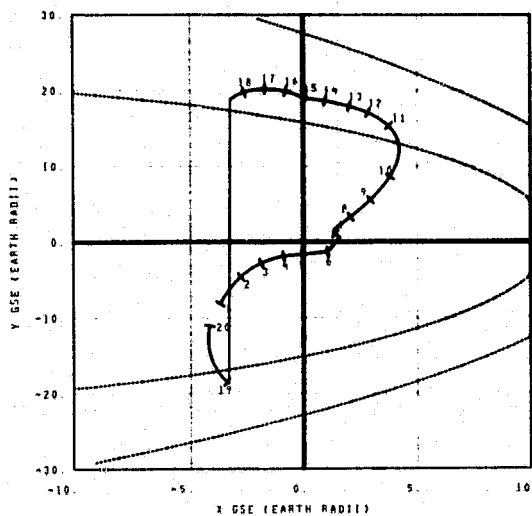


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/308/ 19.08H	R= 5.6RE	8- 1976/309/ 2.67H	R= 10.5RE	15- 1976/310/ 17.33H	R= 12.3RE
2- 1976/308/ 20.42H	R= 2.9RE	9- 1976/309/ 14.33H	R= 18.8RE	16- 1976/310/ 19.47H	R= 9.6RE
3- 1976/308/ 20.43H	R= 2.0RE	10- 1976/309/ 21.33H	R= 20.3RE		
4- 1976/308/ 21.17H	R= 1.6RE	11- 1976/310/ 3.03H	R= 19.0RE		
5- 1976/308/ 21.42H	R= 1.8RE	12- 1976/310/ 9.48H	R= 17.7RE		
6- 1976/308/ 21.75H	R= 2.3RE	13- 1976/310/ 12.33H	R= 15.7RE		
7- 1976/308/ 22.37H	R= 3.7RE	14- 1976/310/ 19.90H	R= 14.0RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/308/19.00H TO 1976/310/20.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

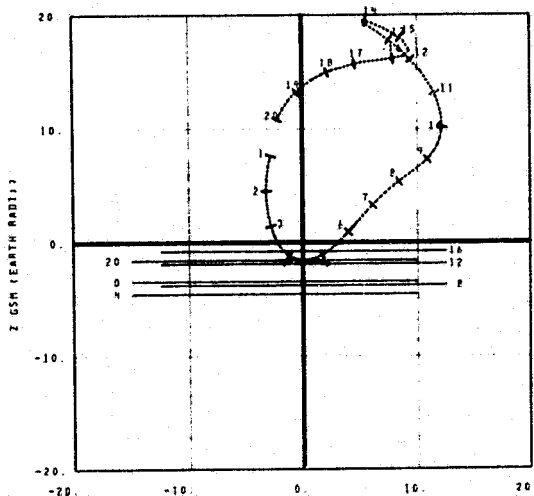
1 - 1974/310/ 20.17H	LAT= 53.4	11 - 1976/311/ 11.67H	LAT= 47.1
2 - 1974/310/ 22.42H	LAT= 33.4	12 - 1976/311/ 14.17H	LAT= 70.0
3 - 1974/310/ 23.42H	LAT= 0.9	13 - 1976/311/ 15.47H	LAT= 72.7
4 - 1974/310/ 24.00H	LAT= -28.4	14 - 1976/311/ 17.17H	LAT= 74.4
5 - 1976/311/ 0.33H	LAT= -71.7	15 - 1976/311/ 18.17H	LAT= 75.9
6 - 1976/311/ 0.42H	LAT= -81.4	16 - 1976/311/ 21.67H	LAT= 78.4
7 - 1976/311/ 0.50H	LAT= -64.9	17 - 1976/312/ 1.67H	LAT= 81.1
8 - 1976/311/ 1.67H	LAT= 11.3	18 - 1976/312/ 4.17H	LAT= 83.8
9 - 1976/311/ 2.92H	LAT= 33.7	19 - 1976/312/ 10.67H	LAT= 79.5
10 - 1976/311/ 5.00H	LAT= 48.9	20 - 1976/312/ 21.00H	LAT= 62.9

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/310/20.00H TO 1976/312/21.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

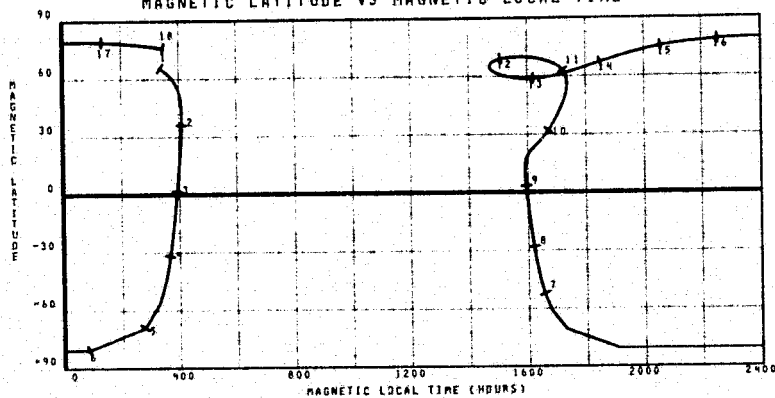
1 - 1974/310/ 20.17H	R= 8.9RE	11 - 1976/311/ 14.50H	R= 17.5RE
2 - 1974/310/ 21.03H	R= 6.4RE	12 - 1976/311/ 17.17H	R= 10.7RE
3 - 1974/310/ 23.17H	R= 3.9RE	13 - 1976/311/ 19.17H	R= 19.3RE
4 - 1976/311/ 0.17H	R= 1.0RE	14 - 1976/312/ 1.17H	R= 20.3RE
5 - 1976/311/ 1.00H	R= 2.4RE	15 - 1976/312/ 5.67H	R= 28.9RE
6 - 1976/311/ 2.03H	R= 4.6RE	16 - 1976/312/ 11.67H	R= 18.3RE
7 - 1976/311/ 3.50H	R= 7.9RE	17 - 1976/312/ 14.67H	R= 16.0RE
8 - 1976/311/ 5.67H	R= 10.2RE	18 - 1976/312/ 16.50H	R= 15.7RE
9 - 1976/311/ 8.50H	R= 13.3RE	19 - 1976/312/ 18.83H	R= 13.9RE
10 - 1976/311/ 11.83H	R= 15.9RE	20 - 1976/312/ 21.00H	R= 11.0RE

TIME AS YEAR/DAY/HOUR

R IS GEODESIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/310/20.00H TO 1976/312/21.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

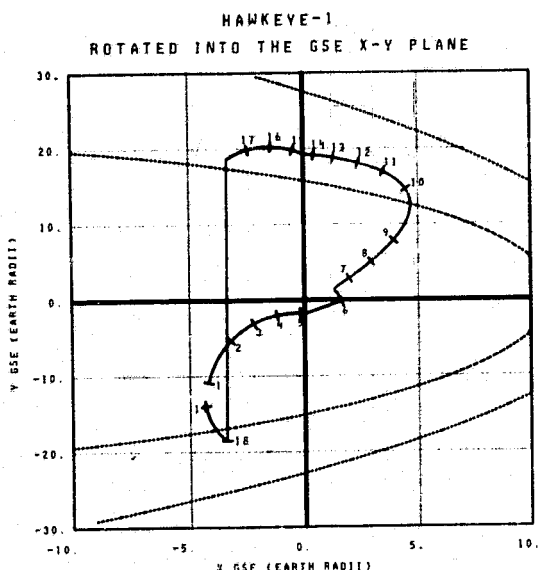


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1974/310/ 20.17H	R= 8.9RE	8 - 1976/311/ 1.32H	R= 5.2RE	15 - 1976/312/ 15.67H	R= 16.2RE
2 - 1976/310/ 23.00H	R= 4.2RE	9 - 1976/311/ 2.32H	R= 5.2RE	16 - 1976/312/ 17.33H	R= 15.1RE
3 - 1976/310/ 23.23H	R= 2.4RE	10 - 1976/311/ 10.17H	R= 14.7RE	17 - 1976/312/ 19.17H	R= 13.6RE
4 - 1976/311/ 0.17H	R= 1.0RE	11 - 1976/311/ 13.17H	R= 19.0RE	18 - 1976/312/ 21.00H	R= 11.0RE
5 - 1976/311/ 0.42H	R= 1.0RE	12 - 1976/311/ 23.17H	R= 20.1RE		
6 - 1976/311/ 0.50H	R= 1.7RE	13 - 1976/312/ 7.17H	R= 19.0RE		
7 - 1976/311/ 0.83H	R= 2.1RE	14 - 1976/312/ 12.67H	R= 17.9RE		

TIME AS YEAR/DAY/HOUR

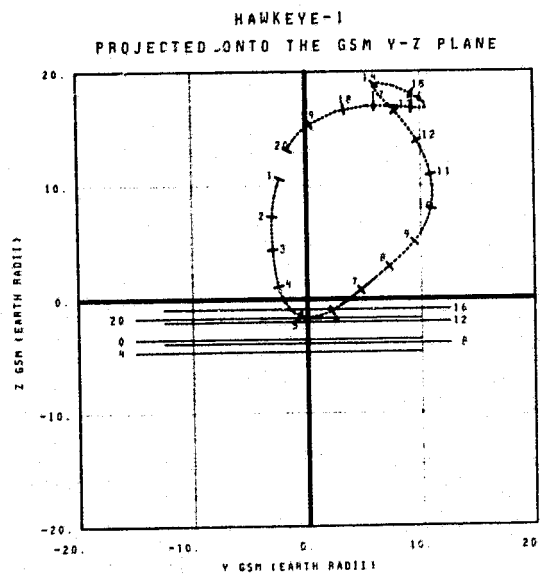
TIME INTERVAL OF PLOT 1974/310/20.00H TO 1976/312/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/312/ 21.17H LAT= 62.4	11- 1976/313/ 17.33H LAT= 70.7
2- 1976/313/ 1.17H LAT= 39.5	12- 1976/313/ 19.33H LAT= 73.2
3- 1976/313/ 2.42H LAT= 16.2	13- 1976/313/ 20.03H LAT= 74.9
4- 1976/313/ 3.00H LAT= -17.5	14- 1976/313/ 21.03H LAT= 75.9
5- 1976/313/ 3.50H LAT= -65.9	15- 1976/314/ 0.33H LAT= 78.1
6- 1976/313/ 3.67H LAT= -80.7	16- 1976/314/ 4.33H LAT= 80.0
7- 1976/313/ 4.70H LAT= 5.6	17- 1976/314/ 8.03H LAT= 81.9
8- 1976/313/ 5.00H LAT= 30.7	18- 1976/314/ 15.03H LAT= 79.6
9- 1976/313/ 7.75H LAT= 46.4	19- 1976/314/ 21.17H LAT= 70.3
10- 1976/313/ 14.17H LAT= 65.0	

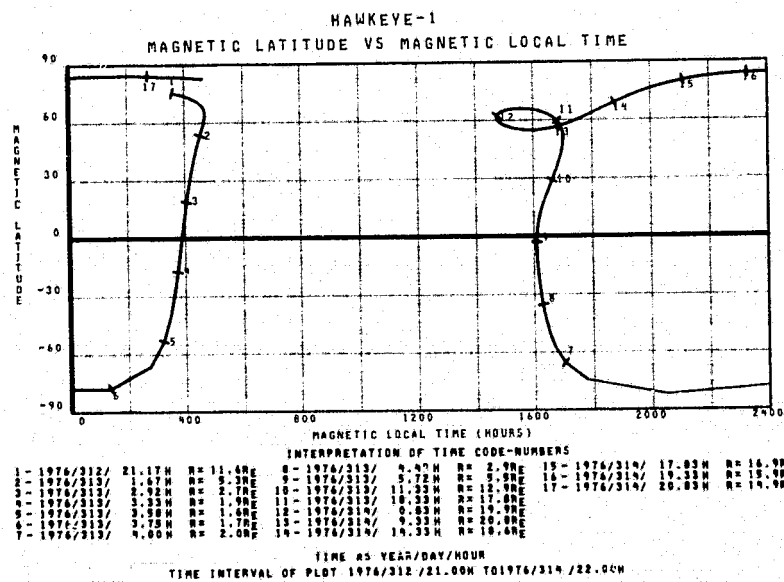
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/312/21.00H TO 1976/314/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

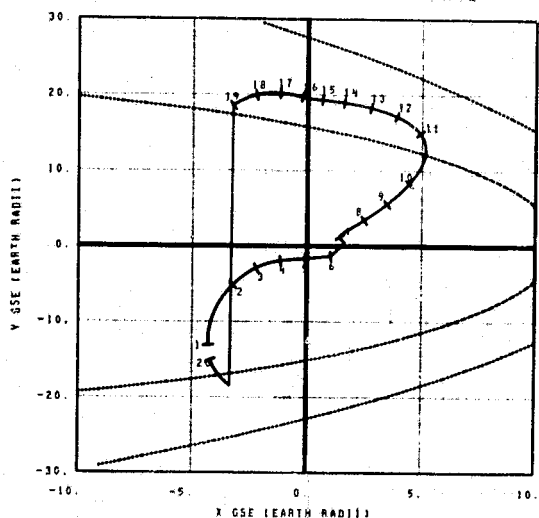
1- 1976/312/ 21.17H R= 11.6RE	11- 1976/313/ 14.50H R= 15.5RE
2- 1976/312/ 23.50H R= 8.0RE	12- 1976/313/ 16.83H R= 17.0RE
3- 1976/313/ 1.17H R= 6.2RE	13- 1976/313/ 19.33H R= 18.2RE
4- 1976/313/ 2.50H R= 3.4RE	14- 1976/314/ 0.33H R= 19.0RE
5- 1976/313/ 3.50H R= 1.6RE	15- 1976/314/ 5.33H R= 20.3RE
6- 1976/313/ 4.42H R= 2.9RE	16- 1976/314/ 11.03H R= 19.4RE
7- 1976/313/ 5.82H R= 5.3RE	17- 1976/314/ 14.83H R= 18.4RE
8- 1976/313/ 7.33H R= 8.2RE	18- 1976/314/ 16.83H R= 17.4RE
9- 1976/313/ 9.50H R= 11.0RE	19- 1976/314/ 19.33H R= 15.9RE
10- 1976/313/ 12.17H R= 13.7RE	20- 1976/314/ 22.00H R= 13.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/312/21.00H TO 1976/314/22.00H



ORIGINAL PAGE IS
OF POOR QUALITY

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

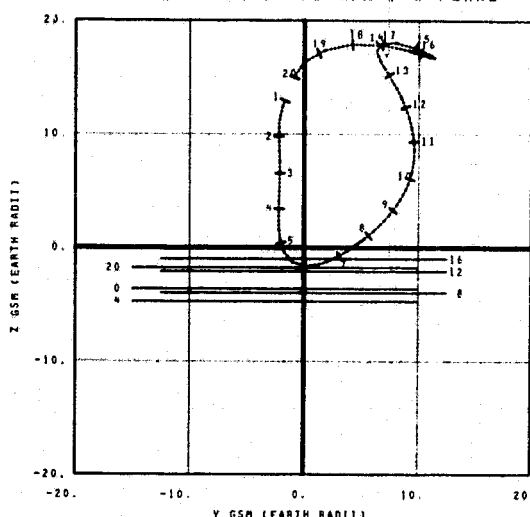


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/314/ 22.17H	LAT= 68.3	11 - 1976/315/ 18.00H	LAT= 66.8
2 - 1976/315/ 9.42H	LAT= 39.1	12 - 1976/315/ 21.17H	LAT= 71.9
3 - 1976/315/ 5.47H	LAT= 14.9	13 - 1976/315/ 23.17H	LAT= 73.9
4 - 1976/315/ 6.33H	LAT= -21.0	14 - 1976/316/ 9.47H	LAT= 78.5
5 - 1976/315/ 6.75H	LAT= -72.1	15 - 1976/316/ 1.47H	LAT= 74.4
6 - 1976/315/ 6.83H	LAT= -81.4	16 - 1976/316/ 3.17H	LAT= 77.0
7 - 1976/315/ 7.00H	LAT= -53.1	17 - 1976/316/ 7.17H	LAT= 80.4
8 - 1976/315/ 8.25H	LAT= 15.0	18 - 1976/316/ 11.67H	LAT= 81.9
9 - 1976/315/ 9.50H	LAT= 35.4	19 - 1976/316/ 16.67H	LAT= 80.0
10 - 1976/315/ 11.42H	LAT= 56.8	20 - 1976/316/ 23.00H	LAT= 72.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/314/22.00H TO 1976/316/23.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

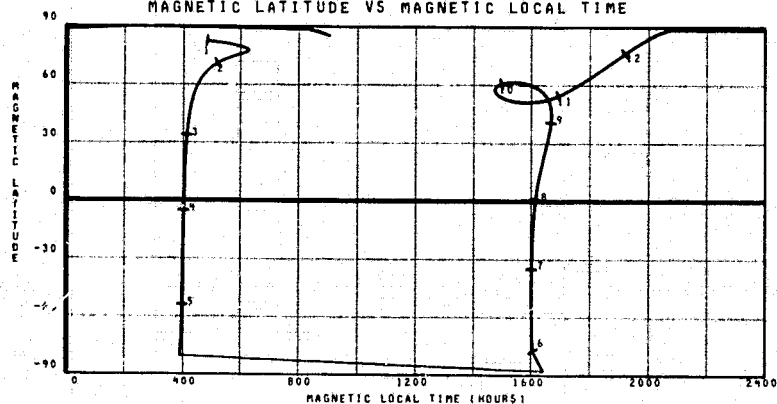


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/314/ 22.17H	R= 13.8RE	11 - 1976/315/ 18.00H	R= 13.4RE
2 - 1976/315/ 9.42H	R= 10.9RE	12 - 1976/315/ 21.17H	R= 15.4RE
3 - 1976/315/ 5.47H	R= 7.9RE	13 - 1976/315/ 23.17H	R= 17.0RE
4 - 1976/315/ 6.33H	R= 9.0RE	14 - 1976/316/ 9.47H	R= 19.1RE
5 - 1976/315/ 6.75H	R= 2.6RE	15 - 1976/316/ 1.47H	R= 20.1RE
6 - 1976/315/ 6.83H	R= 1.0RE	16 - 1976/316/ 3.17H	R= 20.0RE
7 - 1976/315/ 7.00H	R= 3.4RE	17 - 1976/316/ 7.17H	R= 19.4RE
8 - 1976/315/ 8.25H	R= 6.4RE	18 - 1976/316/ 11.67H	R= 18.7RE
9 - 1976/315/ 9.50H	R= 9.0RE	19 - 1976/316/ 16.67H	R= 17.6RE
10 - 1976/315/ 11.42H	R= 11.4RE	20 - 1976/316/ 23.00H	R= 15.6RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/314/22.00H TO 1976/316/23.00H

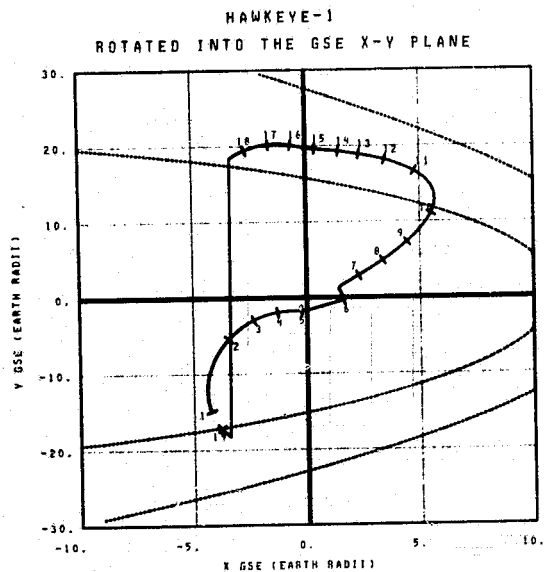
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/314/ 22.17H	R= 13.8RE	11 - 1976/315/ 18.00H	R= 13.4RE
2 - 1976/315/ 9.42H	R= 10.9RE	12 - 1976/315/ 21.17H	R= 15.4RE
3 - 1976/315/ 5.47H	R= 7.9RE	13 - 1976/315/ 23.17H	R= 17.0RE
4 - 1976/315/ 6.33H	R= 9.0RE	14 - 1976/316/ 9.47H	R= 19.1RE
5 - 1976/315/ 6.75H	R= 2.6RE	15 - 1976/316/ 1.47H	R= 20.1RE
6 - 1976/315/ 6.83H	R= 1.0RE	16 - 1976/316/ 3.17H	R= 20.0RE
7 - 1976/315/ 7.00H	R= 3.4RE	17 - 1976/316/ 7.17H	R= 19.4RE
8 - 1976/315/ 8.25H	R= 6.4RE	18 - 1976/316/ 11.67H	R= 18.7RE
9 - 1976/315/ 9.50H	R= 9.0RE	19 - 1976/316/ 16.67H	R= 17.6RE
10 - 1976/315/ 11.42H	R= 11.4RE	20 - 1976/316/ 23.00H	R= 15.6RE

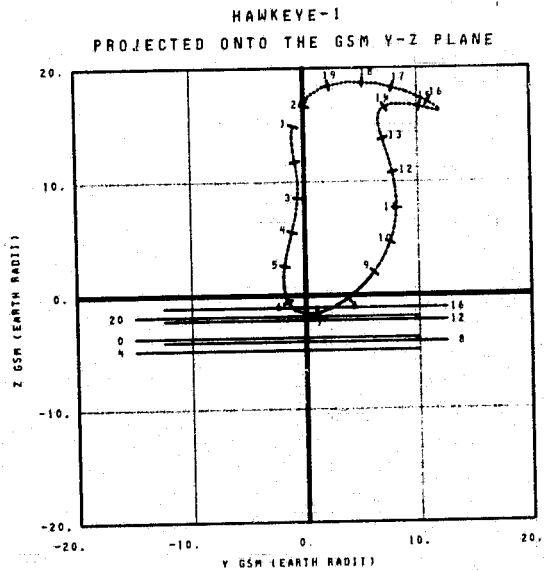
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/314/22.00H TO 1976/316/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/316/ 23.17H	LAT= 72.5	11 - 1976/317/ 23.03H	LAT= 70.7
2 - 1976/317/ 7.42H	LAT= 91.5	12 - 1976/318/ 2.33H	LAT= 73.0
3 - 1976/317/ 8.03H	LAT= 16.5	13 - 1976/318/ 3.03H	LAT= 75.4
4 - 1976/317/ 9.50H	LAT= -17.2	14 - 1976/318/ 4.03H	LAT= 76.3
5 - 1976/317/ 9.92H	LAT= -49.0	15 - 1976/318/ 5.03H	LAT= 77.3
6 - 1976/317/ 10.00H	LAT= -80.0	16 - 1976/318/ 8.03H	LAT= 79.4
7 - 1976/317/ 11.22H	LAT= 9.0	17 - 1976/318/ 12.03H	LAT= 81.4
8 - 1976/317/ 12.35H	LAT= 31.3	18 - 1976/318/ 17.33H	LAT= 81.4
9 - 1976/317/ 14.00H	LAT= 85.4	19 - 1976/318/ 22.03H	LAT= 77.3
10 - 1976/317/ 17.17H	LAT= 50.1		

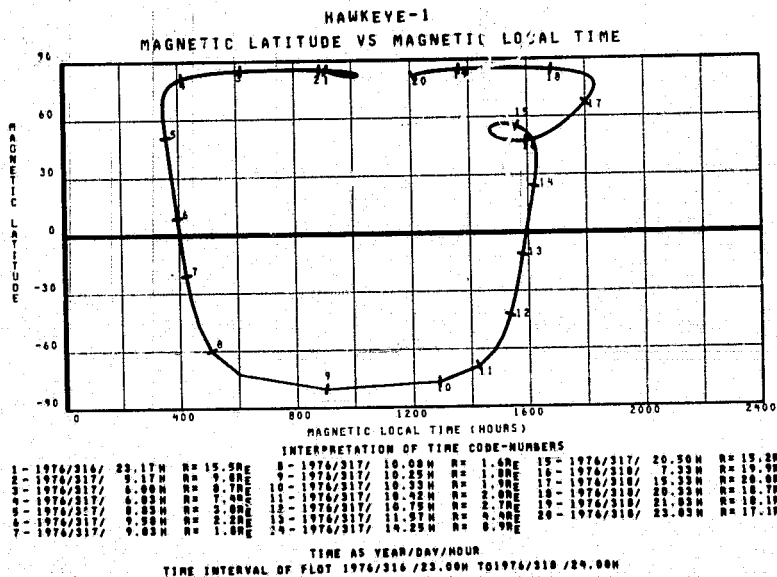
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/316/23.00H TO 1976/318/24.00H



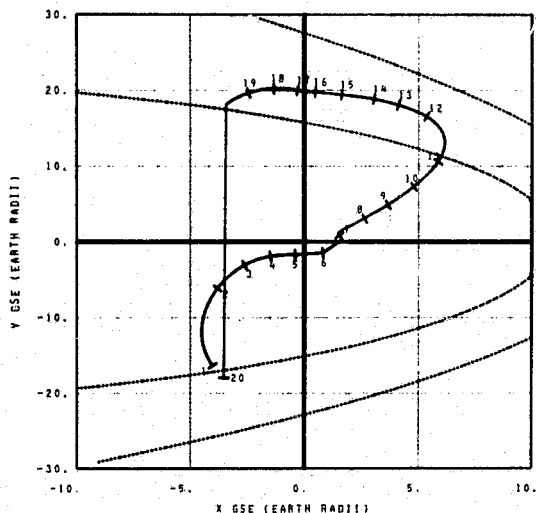
INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/316/ 23.17H	R= 15.5RE	11 - 1976/317/ 14.42H	R= 11.6RE
2 - 1976/317/ 2.67H	R= 12.4RE	12 - 1976/317/ 10.50H	R= 13.6RE
3 - 1976/317/ 5.33H	R= 9.6RE	13 - 1976/317/ 21.00H	R= 15.4RE
4 - 1976/317/ 7.25H	R= 6.7RE	14 - 1976/318/ 1.33H	R= 18.1RE
5 - 1976/317/ 8.47H	R= 4.1RE	15 - 1976/318/ 5.33H	R= 19.5RE
6 - 1976/317/ 9.15H	R= 1.0RE	16 - 1976/318/ 12.33H	R= 20.3RE
7 - 1976/317/ 10.50H	R= 2.2RE	17 - 1976/318/ 15.33H	R= 20.0RE
8 - 1976/317/ 11.60H	R= 4.5RE	18 - 1976/318/ 17.33H	R= 19.7RE
9 - 1976/317/ 13.00H	R= 7.0RE	19 - 1976/318/ 19.03H	R= 18.9RE
10 - 1976/317/ 14.50H	R= 9.4RE	20 - 1976/318/ 23.03H	R= 17.1RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/316/23.00H TO 1976/318/24.00H



HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

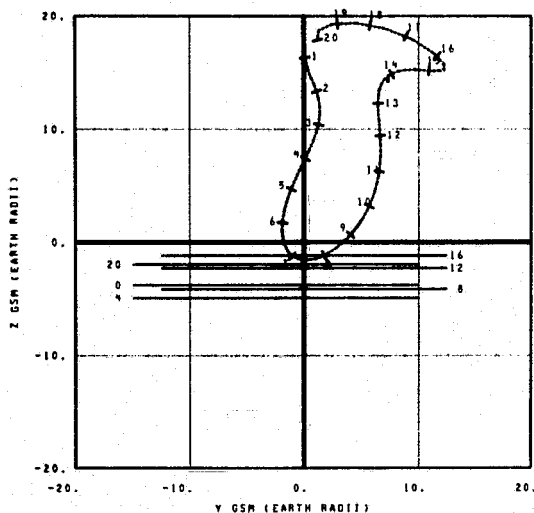
1- 1976/319/ 0.33H	LAT= 75.5	11- 1976/319/ 20.17H	LAT= 57.5
2- 1976/319/ 10.17H	LAT= 46.0	12- 1976/320/ 3.17H	LAT= 70.8
3- 1976/319/ 11.92H	LAT= 20.3	13- 1976/320/ 5.67H	LAT= 73.9
4- 1976/319/ 12.67H	LAT= -13.6	14- 1976/320/ 7.17H	LAT= 75.4
5- 1976/319/ 13.00H	LAT= -59.2	15- 1976/320/ 8.67H	LAT= 76.9
6- 1976/319/ 13.25H	LAT= -81.4	16- 1976/320/ 9.57H	LAT= 77.8
7- 1976/319/ 13.42H	LAT= -44.8	17- 1976/320/ 11.17H	LAT= 79.0
8- 1976/319/ 14.50H	LAT= 13.7	18- 1976/320/ 15.17H	LAT= 81.3
9- 1976/319/ 15.67H	LAT= 32.6	19- 1976/320/ 19.67H	LAT= 81.7
10- 1976/319/ 17.33H	LAT= 46.1	20- 1976/321/ 0.67H	LAT= 78.8

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/318/24.00H TO 1976/321/ 1.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

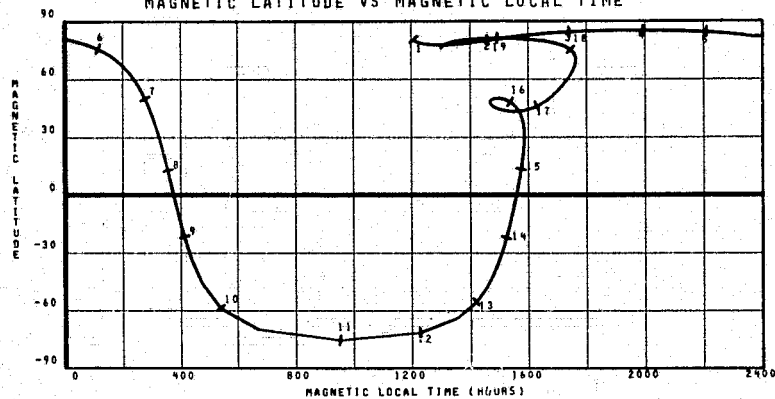
1- 1976/319/ 0.33H	R= 16.8R _E	11- 1976/319/ 20.00H	R= 9.6R _E
2- 1976/319/ 4.17H	R= 14.1R _E	12- 1976/319/ 20.00H	R= 12.0R _E
3- 1976/319/ 7.00H	R= 11.4R _E	13- 1976/319/ 22.33H	R= 14.1R _E
4- 1976/319/ 9.33H	R= 8.5R _E	14- 1976/320/ 2.17H	R= 16.0R _E
5- 1976/319/ 10.92H	R= 6.0R _E	15- 1976/320/ 6.17H	R= 18.7R _E
6- 1976/319/ 12.17H	R= 3.5R _E	16- 1976/320/ 12.17H	R= 20.2R _E
7- 1976/319/ 13.17H	R= 1.7R _E	17- 1976/320/ 15.17H	R= 20.3R _E
8- 1976/319/ 14.00H	R= 2.0R _E	18- 1976/320/ 17.67H	R= 20.2R _E
9- 1976/319/ 15.02H	R= 4.9R _E	19- 1976/320/ 20.17H	R= 19.7R _E
10- 1976/319/ 16.33H	R= 7.2R _E	20- 1976/321/ 0.67H	R= 10.3R _E

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/318/24.00H TO 1976/321/ 1.00H

HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

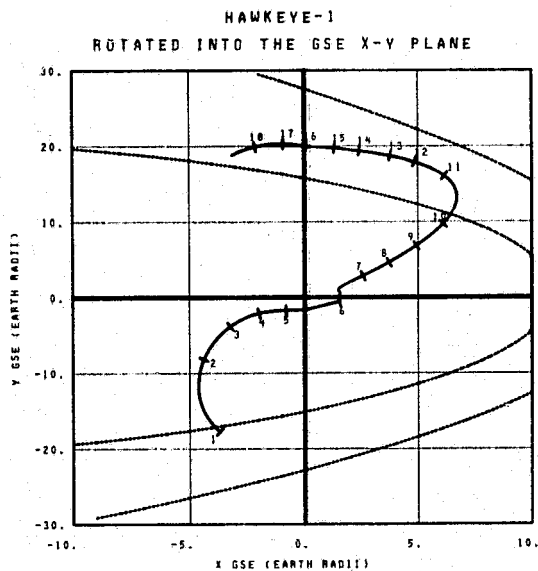


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/319/ 0.33H	R= 16.8R _E	8- 1976/319/ 12.67H	R= 2.4R _E	15- 1976/319/ 15.50H	R= 6.0R _E
2- 1976/319/ 5.03H	R= 12.6R _E	9- 1976/319/ 13.00H	R= 1.0R _E	16- 1976/319/ 20.67H	R= 12.0R _E
3- 1976/319/ 6.47H	R= 10.4R _E	10- 1976/319/ 13.25H	R= 1.0R _E	17- 1976/320/ 9.17H	R= 15.0R _E
4- 1976/319/ 6.53H	R= 9.0R _E	11- 1976/319/ 13.42H	R= 1.7R _E	18- 1976/320/ 10.17H	R= 20.1R _E
5- 1976/319/ 8.03H	R= 9.2R _E	12- 1976/319/ 13.50H	R= 1.0R _E	19- 1976/320/ 21.17H	R= 19.5R _E
6- 1976/319/ 11.17H	R= 7.2R _E	13- 1976/319/ 13.57H	R= 2.1R _E		
7- 1976/319/ 11.03H	R= 4.2R _E	14- 1976/319/ 14.17H	R= 5.2R _E		

TIME AS YEAR/DAY/HOUR

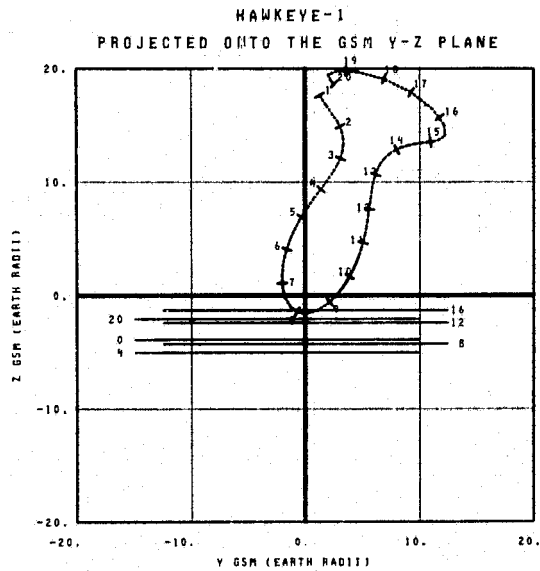
TIME INTERVAL OF PLOT 1976/318/24.00H TO 1976/321/ 1.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/321/ 1.17H LAT= 78.3	11- 1976/322/ 6.00H LAT= 70.3
2- 1976/321/ 12.00H LAT= 55.0	12- 1976/322/ 6.03H LAT= 73.8
3- 1976/321/ 14.47H LAT= 39.6	13- 1976/322/ 10.33H LAT= 75.9
4- 1976/321/ 15.47H LAT= 0.0	14- 1976/322/ 11.03H LAT= 76.0
5- 1976/321/ 16.17H LAT= -41.8	15- 1976/322/ 12.03H LAT= 77.7
6- 1976/321/ 16.50H LAT= -81.1	16- 1976/322/ 13.03H LAT= 78.9
7- 1976/321/ 17.70H LAT= 11.0	17- 1976/322/ 17.33H LAT= 80.8
8- 1976/321/ 18.78H LAT= 31.5	18- 1976/322/ 21.03H LAT= 81.9
9- 1976/321/ 20.33H LAT= 49.8	
10- 1976/321/ 22.75H LAT= 59.3	

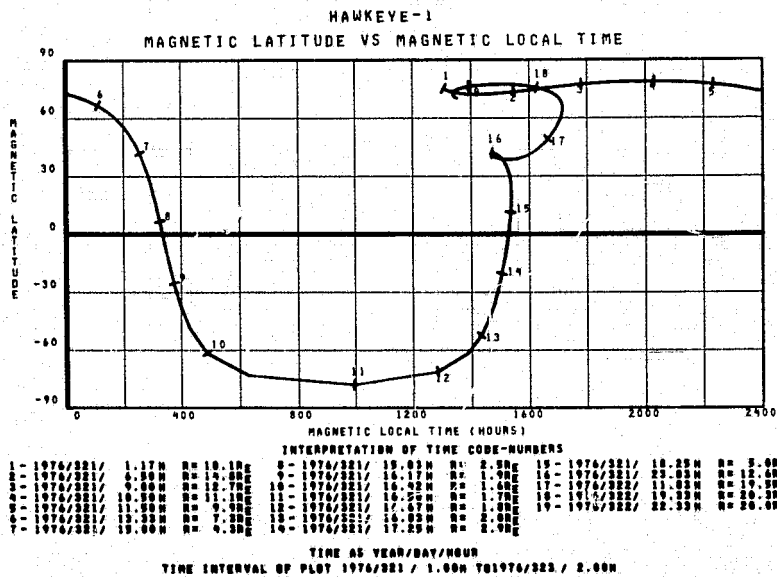
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/321/ 1.00H TO 1976/322/ 2.00H



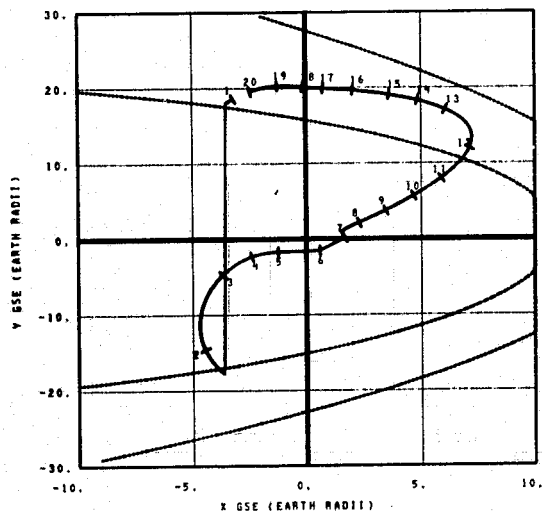
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/321/ 1.17H R= 18.1R	11- 1976/321/ 19.03H R= 7.7R
2- 1976/321/ 5.17H R= 19.0R	12- 1976/321/ 21.58H R= 10.1R
3- 1976/321/ 6.33H R= 13.3R	13- 1976/321/ 24.00H R= 12.0R
4- 1976/321/ 11.03H R= 10.5R	14- 1976/322/ 3.17H R= 15.4R
5- 1976/321/ 12.03H R= 8.1R	15- 1976/322/ 6.67H R= 17.9R
6- 1976/321/ 14.33H R= 9.6R	16- 1976/322/ 12.33H R= 19.6R
7- 1976/321/ 15.50H R= 3.2R	17- 1976/322/ 15.33H R= 20.3R
8- 1976/321/ 16.48H R= 1.6R	18- 1976/322/ 17.33H R= 20.3R
9- 1976/321/ 17.33H R= 3.1R	19- 1976/322/ 20.33H R= 20.2R
10- 1976/321/ 18.37H R= 5.2R	20- 1976/323/ 1.03H R= 19.1R

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/321/ 1.00H TO 1976/323/ 2.00H



HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

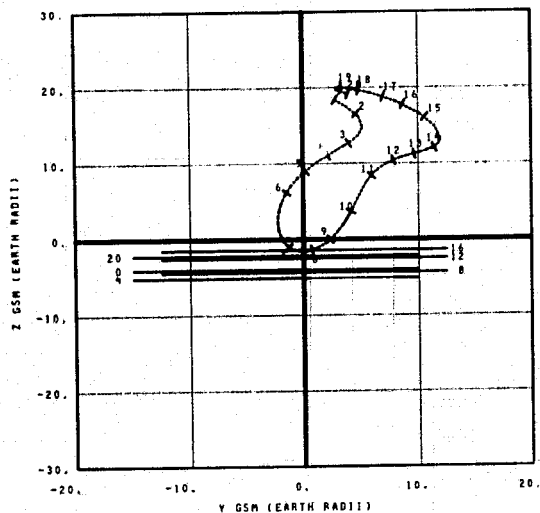


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/323/ 2.33H	LAT= 90.1	11- 1976/324/ 0.67H	LAT= 59.6
2- 1976/323/ 9.17H	LAT= 72.1	12- 1976/324/ 4.50H	LAT= 62.2
3- 1976/323/ 17.33H	LAT= 38.6	13- 1976/324/ 11.17H	LAT= 72.7
4- 1976/323/ 10.67H	LAT= 9.7	14- 1976/324/ 13.17H	LAT= 74.9
5- 1976/323/ 19.25H	LAT= -27.6	15- 1976/324/ 14.67H	LAT= 76.4
6- 1976/323/ 19.67H	LAT= -81.2	16- 1976/324/ 16.17H	LAT= 77.8
7- 1976/323/ 19.75H	LAT= -76.9	17- 1976/324/ 17.17H	LAT= 78.4
8- 1976/323/ 20.50H	LAT= -8.8	18- 1976/324/ 18.17H	LAT= 79.3
9- 1976/323/ 21.53H	LAT= 24.9	19- 1976/324/ 22.17H	LAT= 81.5
10- 1976/323/ 22.03H	LAT= 39.8	20- 1976/325/ 2.67H	LAT= 81.6

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/323/ 2.00H TO 1976/325/ 3.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

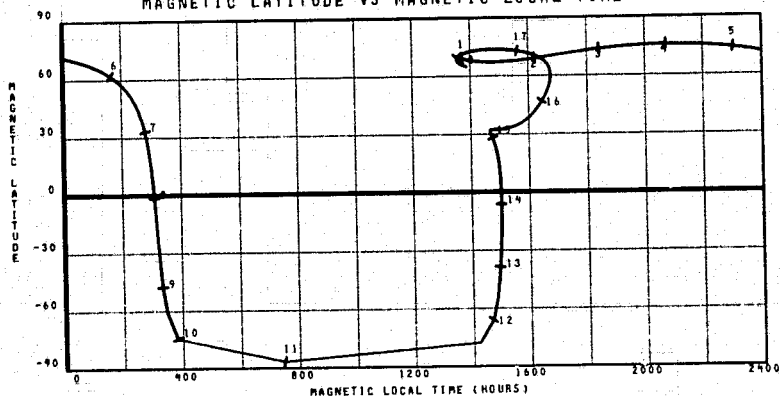


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/323/ 2.33H	R= 10.9R _E	11- 1976/324/ 1.50H	R= 10.9R _E
2- 1976/323/ 5.33H	R= 17.6R _E	12- 1976/324/ 4.00H	R= 13.5R _E
3- 1976/323/ 10.67H	R= 14.1R _E	13- 1976/324/ 6.00H	R= 15.1R _E
4- 1976/323/ 12.67H	R= 12.2R _E	14- 1976/324/ 8.50H	R= 16.0R _E
5- 1976/323/ 14.50H	R= 10.2R _E	15- 1976/324/ 14.17H	R= 19.3R _E
6- 1976/323/ 14.33H	R= 7.6R _E	16- 1976/324/ 16.17H	R= 19.0R _E
7- 1976/323/ 19.33H	R= 1.9R _E	17- 1976/324/ 17.67H	R= 20.1R _E
8- 1976/323/ 20.00H	R= 1.9R _E	18- 1976/324/ 19.67H	R= 20.3R _E
9- 1976/323/ 20.67H	R= 3.3R _E	19- 1976/324/ 21.67H	R= 20.3R _E
10- 1976/323/ 22.33H	R= 6.5R _E	20- 1976/325/ 2.67H	R= 19.7R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/323/ 2.00H TO 1976/325/ 3.00H

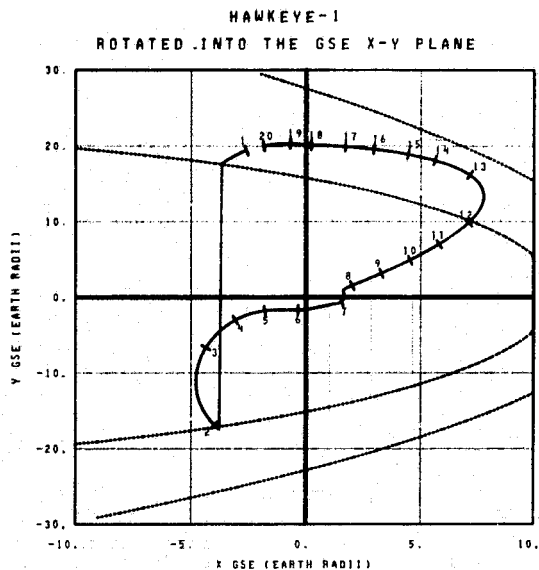
HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/323/ 2.33H	R= 10.9R _E	8- 1976/323/ 19.00H	R= 2.4R _E	15- 1976/323/ 23.90H	R= 6.40R _E
2- 1976/323/ 7.03H	R= 14.2R _E	9- 1976/323/ 19.50H	R= 1.7R _E	16- 1976/324/ 12.17H	R= 18.5R _E
3- 1976/323/ 10.67H	R= 14.1R _E	10- 1976/323/ 19.59H	R= 1.6R _E	17- 1976/324/ 15.17H	R= 18.5R _E
4- 1976/323/ 12.67H	R= 12.2R _E	11- 1976/323/ 19.59H	R= 1.7R _E	18- 1976/325/ 0.17H	R= 20.2R _E
5- 1976/323/ 14.50H	R= 10.2R _E	12- 1976/323/ 19.92H	R= 1.8R _E		
6- 1976/323/ 16.33H	R= 7.6R _E	13- 1976/323/ 20.17H	R= 3.3R _E		
7- 1976/323/ 19.33H	R= 1.9R _E	14- 1976/323/ 20.75H	R= 6.5R _E		

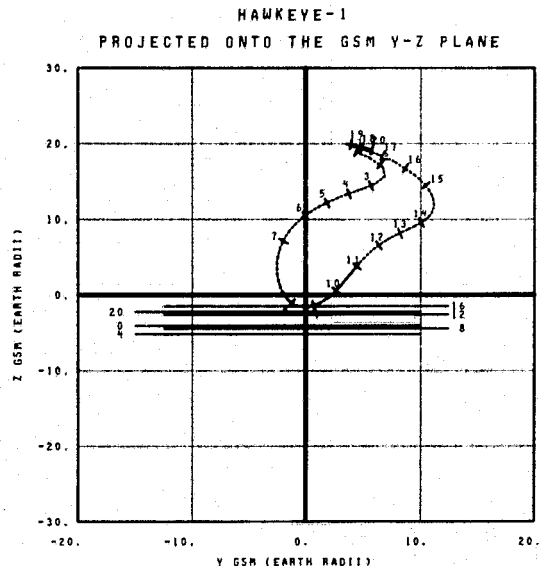
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/323 / 2.00H TO 1976/325 / 3.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/325/ 3.17H	LAT= 81.9	11- 1976/326/ 3.25H	LAT= 47.5
2- 1976/325/ 9.17H	LAT= 76.7	12- 1976/326/ 9.03H	LAT= 57.4
3- 1976/325/ 19.33H	LAT= 49.6	13- 1976/326/ 13.33H	LAT= 71.4
4- 1976/325/ 21.42H	LAT= 25.7	14- 1976/326/ 16.33H	LAT= 74.9
5- 1976/325/ 22.25H	LAT= -10.3	15- 1976/326/ 17.03H	LAT= 76.3
6- 1976/325/ 22.75H	LAT= -65.2	16- 1976/326/ 19.33H	LAT= 77.7
7- 1976/325/ 22.92H	LAT= -81.0	17- 1976/326/ 20.33H	LAT= 78.5
8- 1976/325/ 23.50H	LAT= -17.0	18- 1976/326/ 21.33H	LAT= 79.3
9- 1976/326/ 0.45H	LAT= 19.3	19- 1976/326/ 23.03H	LAT= 80.0
10- 1976/326/ 1.63H	LAT= 36.1	20- 1976/327/ 3.03H	LAT= 81.9

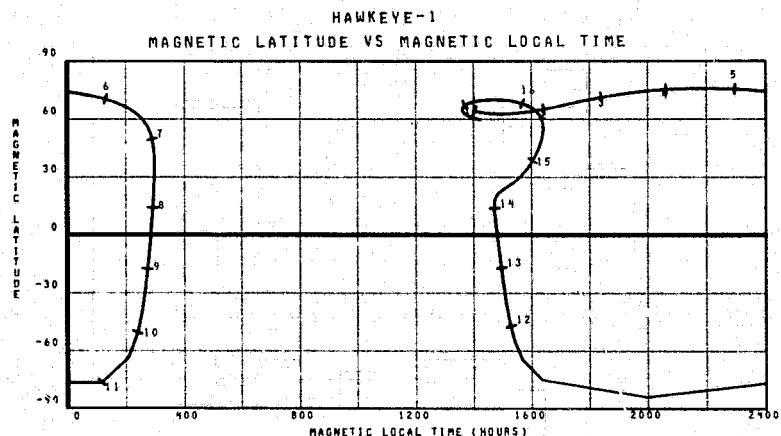
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/325/ 3.00H TO 1976/327/ 4.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/325/ 3.17H	R= 19.6Re	11- 1976/326/ 1.72H	R= 6.0Re
2- 1976/325/ 9.17H	R= 10.7Re	12- 1976/326/ 3.03H	R= 9.9Re
3- 1976/325/ 11.17H	R= 16.1Re	13- 1976/326/ 5.03H	R= 12.2Re
4- 1976/325/ 13.17H	R= 14.6Re	14- 1976/326/ 8.17H	R= 14.3Re
5- 1976/325/ 14.03H	R= 13.2Re	15- 1976/326/ 14.00H	R= 18.0Re
6- 1976/325/ 16.50H	R= 11.5Re	16- 1976/326/ 16.33H	R= 18.9Re
7- 1976/325/ 18.03H	R= 8.7Re	17- 1976/326/ 18.33H	R= 19.5Re
8- 1976/325/ 22.90H	R= 2.0Re	18- 1976/326/ 20.33H	R= 20.0Re
9- 1976/325/ 23.17H	R= 1.9Re	19- 1976/327/ 1.33H	R= 20.3Re
10- 1976/326/ 0.00H	R= 3.0Re	20- 1976/327/ 3.03H	R= 20.1Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/325/ 3.00H TO 1976/327/ 4.00H

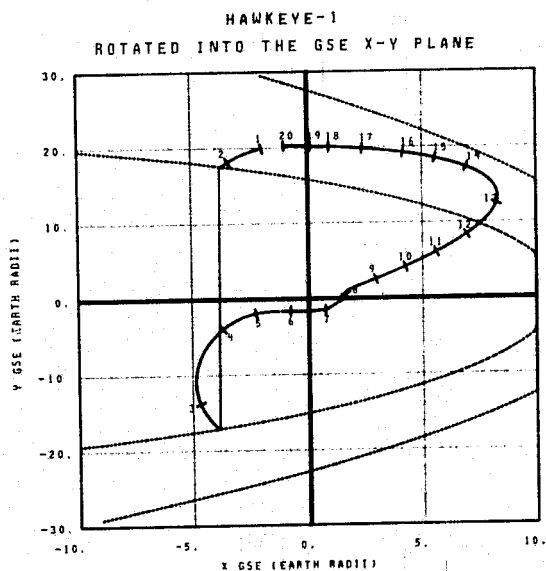


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/325/ 3.17H	R= 19.6Re	8- 1976/325/ 22.00H	R= 2.9Re	15- 1976/326/ 11.00H	R= 16.4Re
2- 1976/325/ 9.17H	R= 17.5Re	9- 1976/325/ 22.50H	R= 2.0Re	16- 1976/326/ 18.03H	R= 19.1Re
3- 1976/325/ 11.17H	R= 15.4Re	10- 1976/325/ 22.75H	R= 1.7Re	17- 1976/326/ 23.33H	R= 20.3Re
4- 1976/325/ 13.17H	R= 14.0Re	11- 1976/325/ 22.92H	R= 1.6Re		
5- 1976/325/ 14.03H	R= 13.0Re	12- 1976/325/ 23.33H	R= 2.2Re		
6- 1976/325/ 16.50H	R= 11.5Re	13- 1976/325/ 23.50H	R= 3.2Re		
7- 1976/325/ 18.03H	R= 8.7Re	14- 1976/326/ 1.78H	R= 7.0Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/325/ 3.00H TO 1976/327/ 4.00H

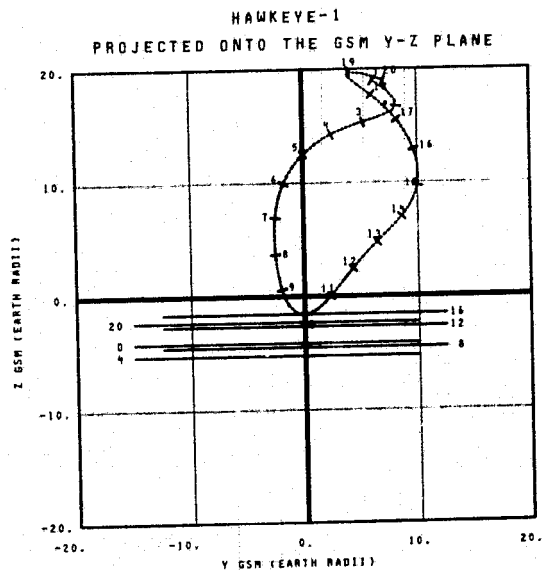
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OF POOR QUALITY



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/327/ 4.33H	LAT= 81.9	11- 1976/328/ 5.83H	LAT= 93.9
2- 1976/327/ 9.83H	LAT= 79.3	12- 1976/328/ 7.83H	LAT= 93.4
3- 1976/327/ 16.50H	LAT= 70.5	13- 1976/328/ 12.17H	LAT= 69.6
4- 1976/328/ 0.00H	LAT= 33.9	14- 1976/328/ 18.67H	LAT= 73.8
5- 1976/328/ 1.25H	LAT= 1.7	15- 1976/328/ 20.67H	LAT= 75.9
6- 1976/328/ 1.83H	LAT= -40.4	16- 1976/328/ 22.17H	LAT= 77.3
7- 1976/328/ 2.00H	LAT= -81.7	17- 1976/328/ 23.67H	LAT= 77.4
8- 1976/328/ 2.25H	LAT= -64.0	18- 1976/329/ 0.67H	LAT= 79.3
9- 1976/328/ 3.33H	LAT= 11.2	19- 1976/329/ 1.17H	LAT= 79.7
10- 1976/328/ 4.38H	LAT= 31.0	20- 1976/329/ 4.67H	LAT= 81.5

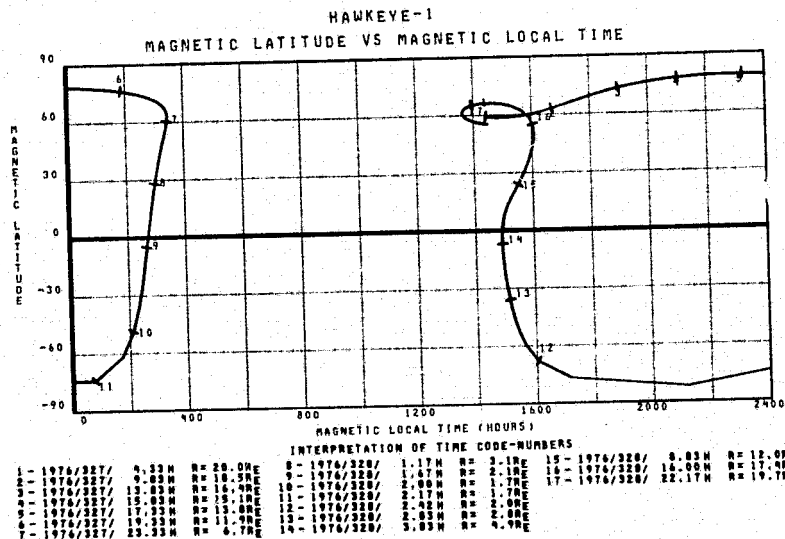
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/327/ 4.00H TO 1976/329/ 5.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/327/ 4.33H	R= 20.0Rg	11- 1976/328/ 5.17H	R= 3.9Rg
2- 1976/327/ 9.83H	R= 18.9Rg	12- 1976/328/ 4.50H	R= 6.1Rg
3- 1976/327/ 13.33H	R= 16.7Rg	13- 1976/328/ 6.33H	R= 9.0Rg
4- 1976/327/ 15.67H	R= 15.2Rg	14- 1976/328/ 8.67H	R= 11.0Rg
5- 1976/327/ 17.83H	R= 13.4Rg	15- 1976/328/ 11.90H	R= 14.4Rg
6- 1976/327/ 20.00H	R= 11.2Rg	16- 1976/328/ 14.33H	R= 16.4Rg
7- 1976/327/ 22.00H	R= 8.7Rg	17- 1976/328/ 16.67H	R= 17.7Rg
8- 1976/327/ 23.75H	R= 5.9Rg	18- 1976/328/ 19.17H	R= 18.0Rg
9- 1976/328/ 1.00H	R= 3.3Rg	19- 1976/329/ 0.67H	R= 20.1Rg
10- 1976/328/ 2.17H	R= 1.7Rg	20- 1976/329/ 4.67H	R= 20.3Rg

TIME AS YEAR/DAY/HOUR
R IS GEODESIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/327/ 4.00H TO 1976/329/ 5.00H

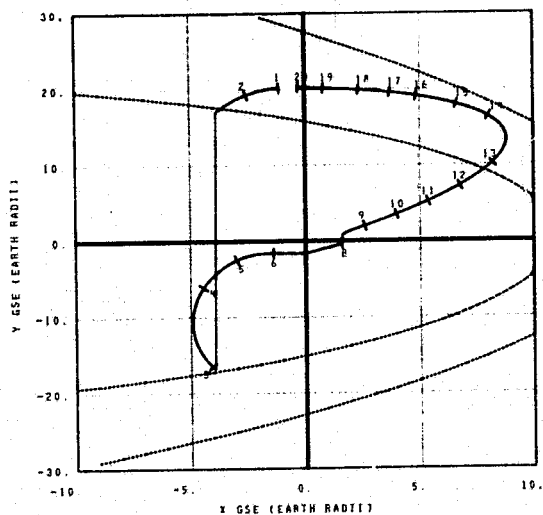


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/327/ 4.33H	R= 20.0Rg	9- 1976/328/ 1.17H	R= 3.1Rg	15- 1976/328/ 8.83H	R= 12.0Rg
2- 1976/327/ 9.83H	R= 18.9Rg	10- 1976/328/ 1.67H	R= 2.1Rg	16- 1976/328/ 15.00H	R= 17.0Rg
3- 1976/327/ 13.33H	R= 16.7Rg	11- 1976/328/ 2.00H	R= 1.7Rg	17- 1976/328/ 22.17H	R= 19.7Rg
4- 1976/327/ 15.67H	R= 15.2Rg	12- 1976/328/ 2.42H	R= 2.0Rg		
5- 1976/327/ 17.83H	R= 13.4Rg	13- 1976/328/ 2.83H	R= 2.6Rg		
6- 1976/327/ 20.00H	R= 11.2Rg	14- 1976/328/ 3.83H	R= 4.0Rg		
7- 1976/327/ 22.00H	R= 8.7Rg				
8- 1976/327/ 23.75H	R= 5.9Rg				

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/327 / 4.00H TO 1976/329 / 5.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

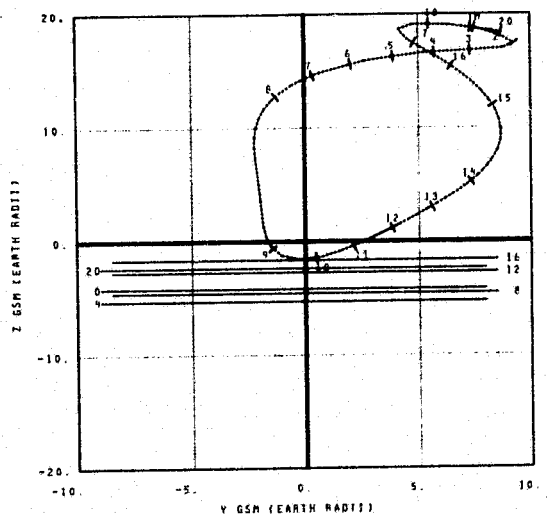


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/329/ 5.17H	LAT= 81.6	11 - 1976/330/ 8.50H	LAT= 40.0
2 - 1976/329/ 10.17H	LAT= 81.2	12 - 1976/330/ 10.25H	LAT= 50.2
3 - 1976/329/ 16.17H	LAT= 76.1	13 - 1976/330/ 13.17H	LAT= 59.7
4 - 1976/330/ 2.00H	LAT= 47.8	14 - 1976/330/ 21.00H	LAT= 72.8
5 - 1976/330/ 4.00H	LAT= 19.0	15 - 1976/330/ 23.50H	LAT= 75.5
6 - 1976/330/ 4.83H	LAT= -25.3	16 - 1976/331/ 1.50H	LAT= 77.9
7 - 1976/330/ 5.29H	LAT= -79.0	17 - 1976/331/ 2.50H	LAT= 78.2
8 - 1976/330/ 5.32H	LAT= -79.8	18 - 1976/331/ 3.50H	LAT= 79.0
9 - 1976/330/ 6.25H	LAT= 1.3	19 - 1976/331/ 4.50H	LAT= 79.7
10 - 1976/330/ 7.23H	LAT= 24.0	20 - 1976/331/ 6.00H	LAT= 80.6

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/329/ 5.00H TO 1976/331/ 6.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

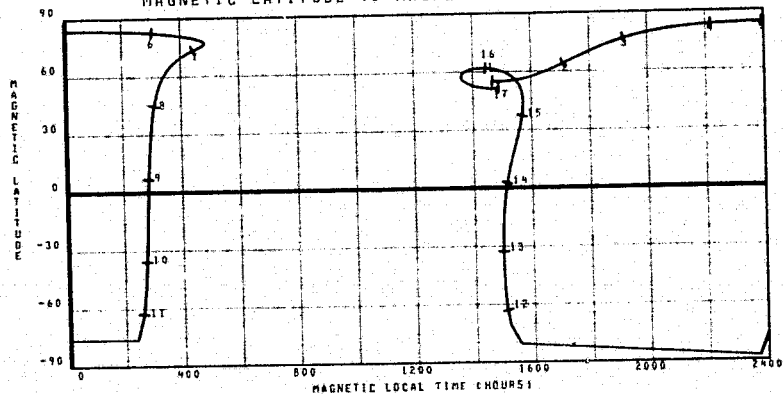


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/329/ 5.17H	R= 20.3Re	11 - 1976/330/ 6.33H	R= 3.5Re
2 - 1976/329/ 8.67H	R= 19.5Re	12 - 1976/330/ 7.28H	R= 5.4Re
3 - 1976/329/ 12.67H	R= 18.6Re	13 - 1976/330/ 8.56H	R= 7.4Re
4 - 1976/329/ 14.17H	R= 19.0Re	14 - 1976/330/ 10.33H	R= 10.0Re
5 - 1976/329/ 15.67H	R= 17.2Re	15 - 1976/330/ 15.50H	R= 15.0Re
6 - 1976/329/ 17.17H	R= 16.3Re	16 - 1976/330/ 18.50H	R= 17.0Re
7 - 1976/329/ 18.67H	R= 15.3Re	17 - 1976/330/ 21.00H	R= 18.3Re
8 - 1976/329/ 20.67H	R= 13.7Re	18 - 1976/331/ 2.50H	R= 19.7Re
9 - 1976/330/ 4.83H	R= 2.1Re	19 - 1976/331/ 4.50H	R= 20.2Re
10 - 1976/330/ 5.67H	R= 2.0Re	20 - 1976/331/ 6.00H	R= 20.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/329/ 5.00H TO 1976/331/ 6.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

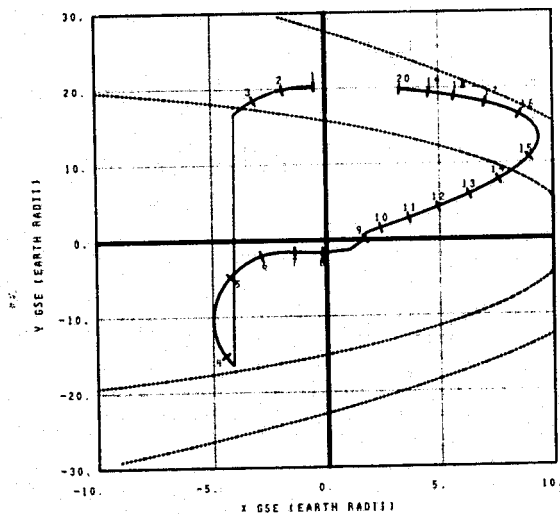


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/329/ 5.17H	R= 20.3Re	8 - 1976/330/ 4.17H	R= 3.6Re	15 - 1976/330/ 13.33H	R= 13.2Re
2 - 1976/329/ 11.67H	R= 19.0Re	9 - 1976/330/ 4.83H	R= 2.1Re	16 - 1976/330/ 20.50H	R= 18.0Re
3 - 1976/329/ 15.67H	R= 17.2Re	10 - 1976/330/ 5.17H	R= 1.7Re	17 - 1976/331/ 6.00H	R= 20.3Re
4 - 1976/329/ 19.00H	R= 15.1Re	11 - 1976/330/ 5.33H	R= 1.6Re		
5 - 1976/329/ 19.06H	R= 15.1Re	12 - 1976/330/ 5.75H	R= 2.2Re		
6 - 1976/329/ 20.67H	R= 13.7Re	13 - 1976/330/ 6.25H	R= 3.3Re		
7 - 1976/330/ 1.67H	R= 8.0Re	14 - 1976/330/ 8.00H	R= 6.0Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/329/ 5.00H TO 1976/331/ 6.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

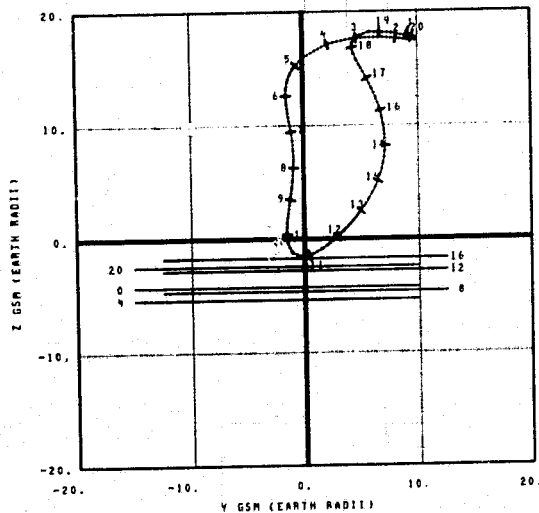
1- 1976/331/ 6.50H	LAT= 80.9	11- 1976/332/ 10.10H	LAT= 20.0
2- 1976/331/ 11.00H	LAT= 81.9	12- 1976/332/ 11.13H	LAT= 34.0
3- 1976/331/ 15.50H	LAT= 80.9	13- 1976/332/ 12.50H	LAT= 45.3
4- 1976/331/ 21.17H	LAT= 75.4	14- 1976/332/ 14.25H	LAT= 53.3
5- 1976/332/ 5.92H	LAT= 41.4	15- 1976/332/ 17.33H	LAT= 61.9
6- 1976/332/ 7.42H	LAT= 12.2	16- 1976/333/ 0.67H	LAT= 73.2
7- 1976/332/ 8.08H	LAT= -30.0	17- 1976/333/ 3.17H	LAT= 75.9
8- 1976/332/ 8.42H	LAT= -74.2	18- 1976/333/ 4.67H	LAT= 77.3
9- 1976/332/ 8.50H	LAT= -74.0	19- 1976/333/ 5.47H	LAT= 78.1
10- 1976/332/ 9.25H	LAT= -8.3	20- 1976/333/ 6.67H	LAT= 78.9

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/331/ 6.00H TO 1976/333/ 7.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/331/ 6.50H	R= 20.3Re	11- 1976/332/ 6.92H	R= 2.1Re
2- 1976/331/ 13.00H	R= 19.5Re	12- 1976/332/ 9.92H	R= 4.3Re
3- 1976/331/ 16.00H	R= 18.6Re	13- 1976/332/ 11.33H	R= 6.9Re
4- 1976/331/ 18.00H	R= 17.7Re	14- 1976/332/ 13.00H	R= 9.3Re
5- 1976/331/ 21.00H	R= 15.9Re	15- 1976/332/ 15.00H	R= 11.7Re
6- 1976/331/ 24.00H	R= 13.4Re	16- 1976/332/ 17.17H	R= 13.0Re
7- 1976/332/ 2.03H	R= 10.7Re	17- 1976/332/ 19.50H	R= 15.6Re
8- 1976/332/ 5.00H	R= 7.0Re	18- 1976/332/ 22.03H	R= 17.4Re
9- 1976/332/ 6.50H	R= 5.3Re	19- 1976/333/ 3.67H	R= 19.5Re
10- 1976/332/ 7.75H	R= 2.7Re	20- 1976/333/ 6.67H	R= 20.1Re

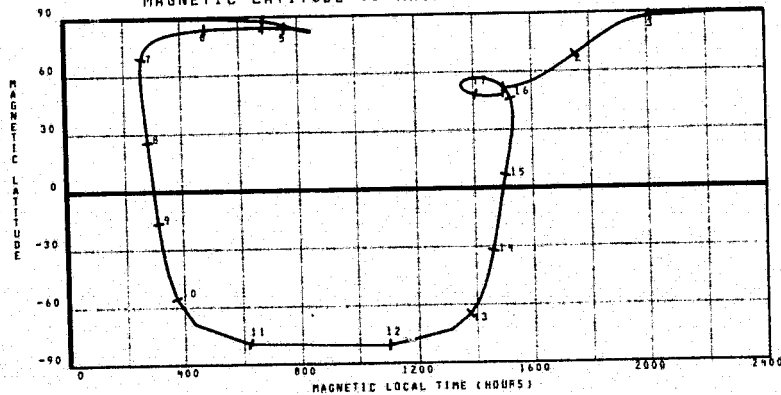
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADI

TIME INTERVAL OF PLOT 1976/331/ 6.00H TO 1976/333/ 7.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

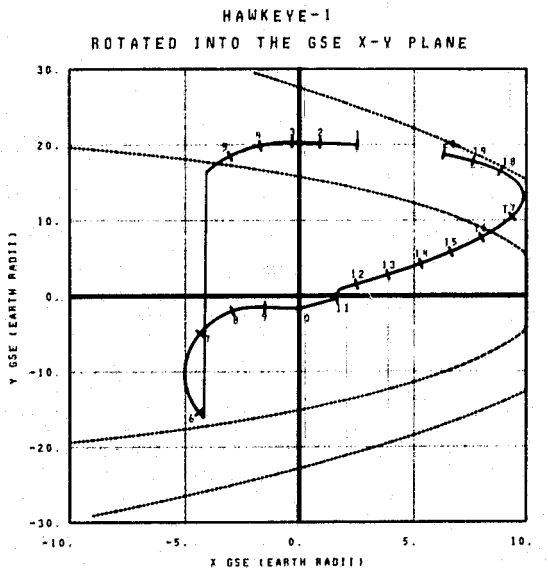


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/331/ 6.50H	R= 20.3Re	8- 1976/332/ 7.83H	R= 2.5Re	15- 1976/332/ 11.17H	R= 6.4Re
2- 1976/331/ 14.00H	R= 19.3Re	9- 1976/332/ 8.25H	R= 1.8Re	16- 1976/332/ 14.50H	R= 13.2Re
3- 1976/331/ 14.50H	R= 18.9Re	10- 1976/332/ 8.50H	R= 1.6Re	17- 1976/333/ 3.67H	R= 19.5Re
4- 1976/331/ 21.00H	R= 15.9Re	11- 1976/332/ 8.67H	R= 1.7Re		
5- 1976/332/ 3.50H	R= 6.3Re	12- 1976/332/ 8.75H	R= 1.9Re		
6- 1976/332/ 4.67H	R= 5.3Re	13- 1976/332/ 8.92H	R= 2.1Re		
7- 1976/332/ 6.50H	R= 5.3Re	14- 1976/332/ 9.42H	R= 3.2Re		

TIME AS YEAR/DAY/HOUR

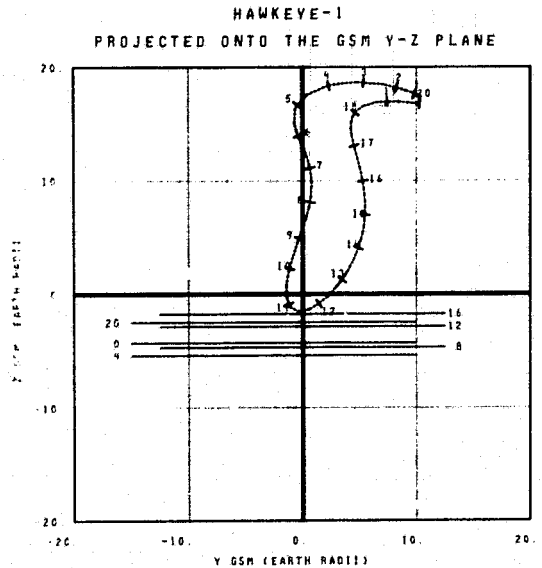
TIME INTERVAL OF PLOT 1976/331 / 6.00H TO 1976/333 / 7.00H



INTERPRETATION OF TIME CODE NUMBERS

1- 1976/333/ 7.17H	LAT= 79.3	11- 1976/334/ 11.75H	LAT= -78.8
2- 1976/333/ 8.17H	LAT= 79.9	12- 1976/334/ 12.50H	LAT= -5.9
3- 1976/333/ 9.47H	LAT= 80.8	13- 1976/334/ 13.37H	LAT= 21.2
4- 1976/333/ 14.17H	LAT= 81.9	14- 1976/334/ 14.50H	LAT= 36.4
5- 1976/333/ 18.67H	LAT= 80.1	15- 1976/334/ 15.83H	LAT= 46.0
6- 1976/334/ 0.17H	LAT= 79.0	16- 1976/334/ 17.67H	LAT= 59.8
7- 1976/334/ 9.00H	LAT= 92.8	17- 1976/334/ 20.67H	LAT= 82.1
8- 1976/334/ 10.58H	LAT= 13.6	18- 1976/335/ 4.50H	LAT= 73.9
9- 1976/334/ 11.25H	LAT= -26.1	19- 1976/335/ 6.50H	LAT= 75.9
10- 1976/334/ 11.47H	LAT= -79.9	20- 1976/335/ 8.00H	LAT= 77.3

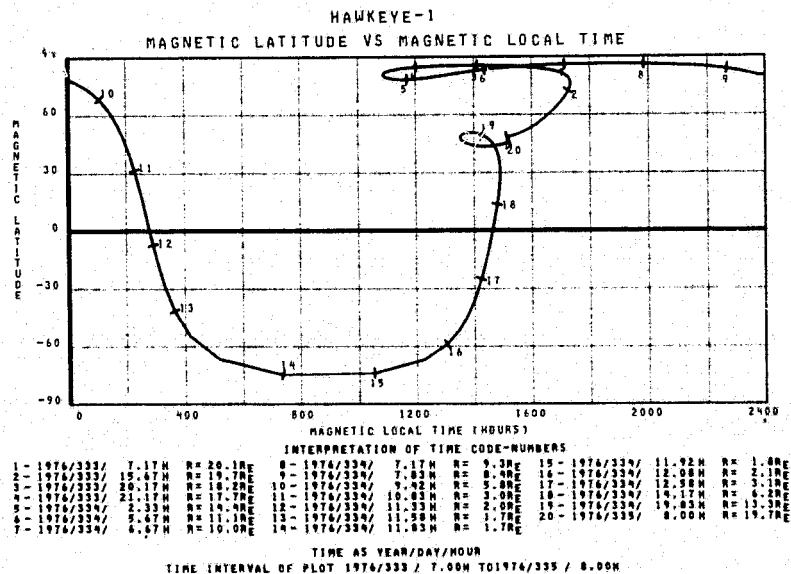
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/333/ 7.00H TO 1976/335/ 8.00H



INTERPRETATION OF TIME CODE NUMBERS

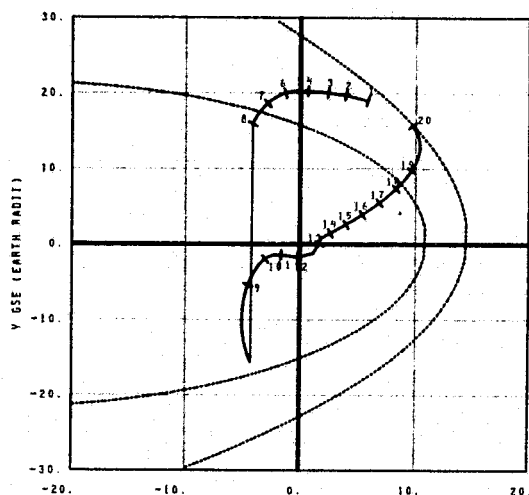
1- 1976/333/ 7.17H	R= 20.1RE	11- 1976/334/ 11.75H	R= 1.8RE
2- 1976/333/ 8.17H	R= 20.1RE	12- 1976/334/ 12.50H	R= 2.9RE
3- 1976/333/ 9.47H	R= 19.6RE	13- 1976/334/ 13.60H	R= 5.2RE
4- 1976/333/ 14.17H	R= 18.8RE	14- 1976/334/ 15.00H	R= 7.7RE
5- 1976/333/ 18.67H	R= 17.2RE	15- 1976/334/ 16.75H	R= 10.0RE
6- 1976/334/ 0.17H	R= 14.0RE	16- 1976/334/ 18.67H	R= 12.2RE
7- 1976/334/ 9.00H	R= 12.2RE	17- 1976/334/ 21.17H	R= 14.5RE
8- 1976/334/ 10.58H	R= 9.9RE	18- 1976/335/ 0.03H	R= 17.0RE
9- 1976/334/ 11.25H	R= 6.6RE	19- 1976/335/ 4.50H	R= 18.7RE
10- 1976/334/ 11.47H	R= 4.2RE	20- 1976/335/ 8.00H	R= 19.7RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/333/ 7.00H TO 1976/335/ 8.00H



HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



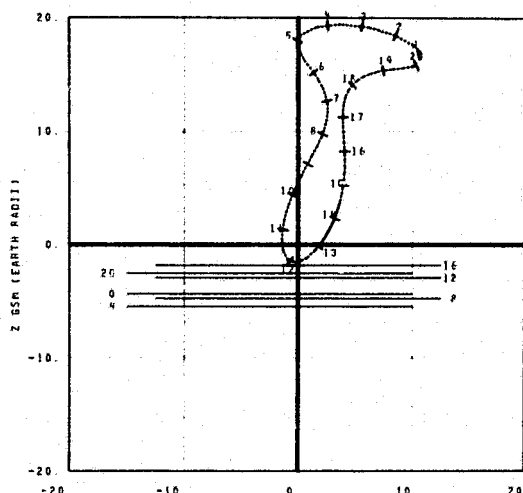
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/335/ 8.50H	LAT= 77.8	11- 1976/336/ 14.42H	LAT= -22.4
2- 1976/335/ 10.00H	LAT= 76.9	12- 1976/336/ 14.83H	LAT= -75.3
3- 1976/335/ 11.00H	LAT= 79.7	13- 1976/336/ 15.00H	LAT= -72.9
4- 1976/335/ 12.00H	LAT= 80.3	14- 1976/336/ 15.75H	LAT= -31.7
5- 1976/335/ 12.50H	LAT= 80.6	15- 1976/336/ 16.50H	LAT= 21.4
6- 1976/335/ 14.50H	LAT= 81.9	16- 1976/336/ 17.43H	LAT= 35.6
7- 1976/335/ 21.50H	LAT= 80.4	17- 1976/336/ 18.00H	LAT= 45.7
8- 1976/336/ 2.50H	LAT= 75.3	18- 1976/336/ 20.83H	LAT= 93.8
9- 1976/336/ 11.92H	LAT= 45.6	19- 1976/336/ 23.50H	LAT= 61.3
10- 1976/336/ 13.75H	LAT= 15.0	20- 1976/337/ 7.17H	LAT= 73.2

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/335/ 8.00H TO 1976/337/ 9.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



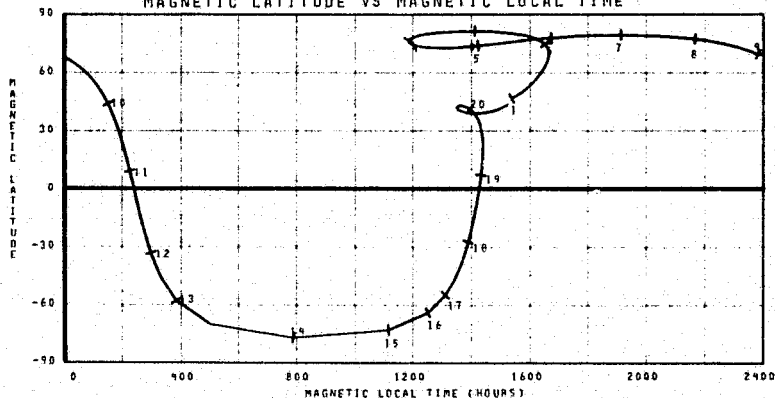
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/335/ 8.50H	R= 19.9RE	11- 1976/336/ 12.75H	R= 3.6RE
2- 1976/335/ 14.00H	R= 20.3RE	12- 1976/336/ 14.83H	R= 1.6RE
3- 1976/335/ 16.50H	R= 20.1RE	13- 1976/336/ 15.92H	R= 3.4RE
4- 1976/335/ 19.00H	R= 19.6RE	14- 1976/336/ 17.03H	R= 5.6RE
5- 1976/335/ 23.00H	R= 18.1RE	15- 1976/336/ 18.50H	R= 8.1RE
6- 1976/336/ 3.50H	R= 15.9RE	16- 1976/336/ 20.25H	R= 10.4RE
7- 1976/336/ 4.17H	R= 13.8RE	17- 1976/336/ 22.50H	R= 12.4RE
8- 1976/336/ 8.83H	R= 11.2RE	18- 1976/337/ 1.67H	R= 15.5RE
9- 1976/336/ 10.83H	R= 8.7RE	19- 1976/337/ 4.83H	R= 17.4RE
10- 1976/336/ 12.42H	R= 6.2RE	20- 1976/337/ 8.67H	R= 19.0RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/335/ 8.00H TO 1976/337/ 9.00H

HAWKEYE-1

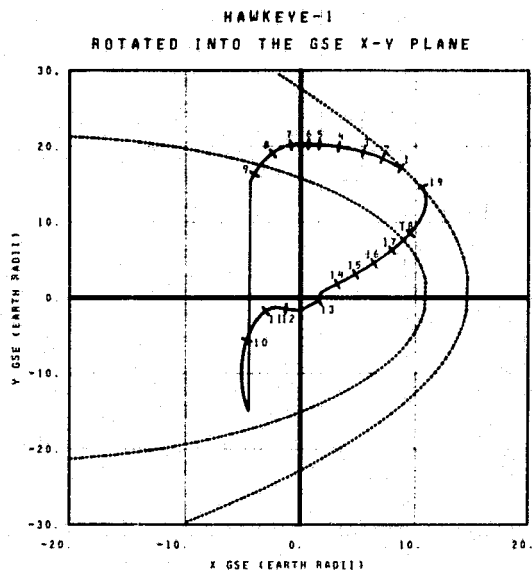
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/335/ 8.50H	R= 19.9RE	8- 1976/336/ 10.33H	R= 9.4RE	15- 1976/336/ 15.00H	R= 1.8RE
2- 1976/335/ 17.00H	R= 20.0RE	9- 1976/336/ 11.47H	R= 7.4RE	16- 1976/336/ 15.17H	R= 1.9RE
3- 1976/335/ 20.00H	R= 19.4RE	10- 1976/336/ 13.42H	R= 4.3RE	17- 1976/336/ 15.25H	R= 2.0RE
4- 1976/335/ 23.50H	R= 18.1RE	11- 1976/336/ 14.25H	R= 2.5RE	18- 1976/336/ 15.58H	R= 2.7RE
5- 1976/336/ 5.33H	R= 14.5RE	12- 1976/336/ 14.67H	R= 1.8RE	19- 1976/336/ 16.53H	R= 4.7RE
6- 1976/336/ 7.83H	R= 12.3RE	13- 1976/336/ 14.83H	R= 1.4RE	20- 1976/336/ 20.67H	R= 10.4RE
7- 1976/336/ 9.17H	R= 10.0RE	14- 1976/336/ 15.00H	R= 1.7RE		

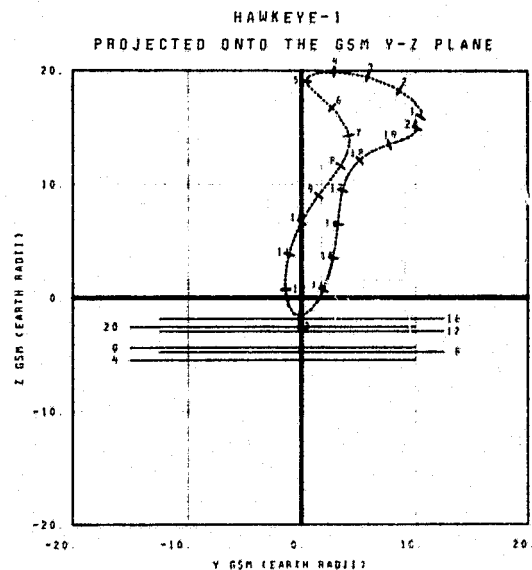
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/335 / 8.00H TO 1976/337 / 9.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/337/ 9.17H	LAT= 75.4	11- 1974/338/ 17.00H	LAT= -35.7
2- 1974/337/ 11.17H	LAT= 77.2	12- 1974/338/ 17.75H	LAT= -77.9
3- 1974/337/ 12.67H	LAT= 78.5	13- 1974/338/ 18.17H	LAT= 7.9
4- 1974/337/ 14.17H	LAT= 79.6	14- 1974/338/ 19.25H	LAT= 85.2
5- 1974/337/ 15.17H	LAT= 80.2	15- 1974/338/ 20.28H	LAT= 41.7
6- 1974/337/ 15.67H	LAT= 80.5	16- 1974/338/ 21.50H	LAT= 58.7
7- 1974/337/ 16.67H	LAT= 81.7	17- 1974/338/ 23.25H	LAT= 58.7
8- 1974/337/ 23.67H	LAT= 81.0	18- 1974/339/ 1.67H	LAT= 78.2
9- 1974/338/ 5.17H	LAT= 76.1	19- 1974/339/ 9.50H	
10- 1974/338/ 15.00H	LAT= 46.7		

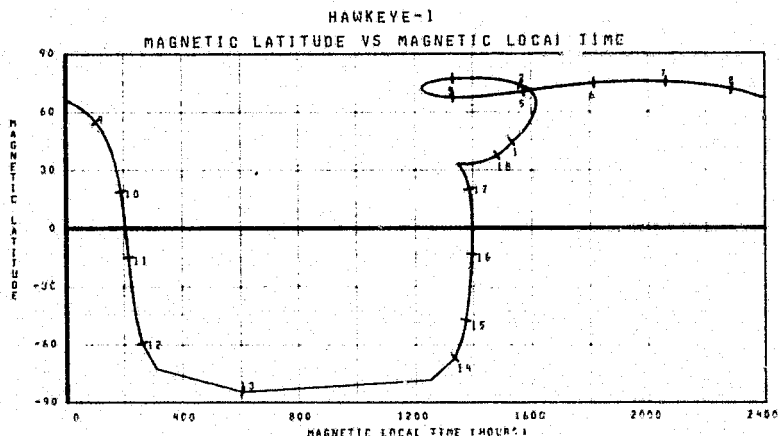
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/337/ 9.00H TO 1974/339/10.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/337/ 9.17H	R= 19.2Re	11- 1974/338/ 15.83H	R= 5.8Re
2- 1974/337/ 14.17H	R= 20.2Re	12- 1974/338/ 17.00H	R= 3.3Re
3- 1974/337/ 16.67H	R= 20.3Re	13- 1974/338/ 18.17H	R= 1.7Re
4- 1974/337/ 19.17H	R= 20.2Re	14- 1974/338/ 19.33H	R= 3.9Re
5- 1974/337/ 23.67H	R= 19.2Re	15- 1974/338/ 20.50H	R= 4.3Re
6- 1974/338/ 9.17H	R= 17.8Re	16- 1974/338/ 22.17H	R= 8.7Re
7- 1974/338/ 2.17H	R= 15.6Re	17- 1974/339/ 0.25H	R= 11.3Re
8- 1974/338/ 10.17H	R= 13.1Re	18- 1974/339/ 3.00H	R= 14.0Re
9- 1974/338/ 12.67H	R= 10.5Re	19- 1974/339/ 5.03H	R= 16.1Re
10- 1974/338/ 14.33H	R= 8.3Re	20- 1974/339/ 10.00H	R= 18.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADI
TIME INTERVAL OF PLOT 1974/337/ 9.00H TO 1974/339/10.00H

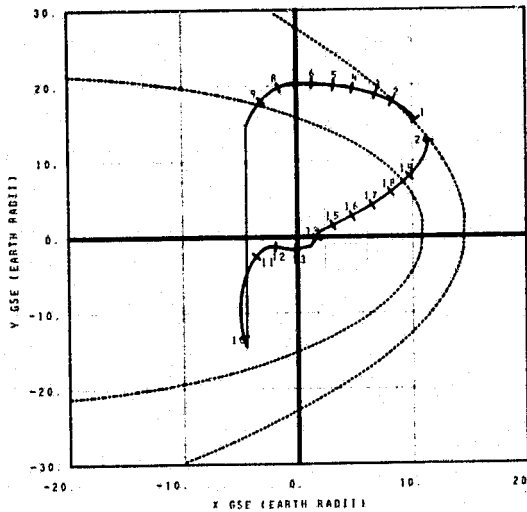


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/337/ 9.17H	R= 19.2Re	8- 1974/338/ 15.33H	R= 7.4Re	15- 1974/338/ 10.50H	R= 2.1Re
2- 1974/337/ 17.67H	R= 20.3Re	9- 1974/338/ 15.58H	R= 4.3Re	16- 1974/338/ 19.00H	R= 3.1Re
3- 1974/337/ 20.67H	R= 20.0Re	10- 1974/338/ 17.17H	R= 3.2Re	17- 1974/338/ 20.50H	R= 6.3Re
4- 1974/338/ 3.67H	R= 17.8Re	11- 1974/338/ 17.67H	R= 2.1Re	18- 1974/339/ 7.03H	R= 17.3Re
5- 1974/338/ 7.67H	R= 15.6Re	12- 1974/338/ 18.00H	R= 1.7Re		
6- 1974/338/ 10.17H	R= 13.1Re	13- 1974/338/ 18.17H	R= 1.7Re		
7- 1974/338/ 11.83H	R= 11.4Re	14- 1974/338/ 18.33H	R= 1.8Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1974/337 / 9.00H TO 1974/339 / 10.00H

HAWKEYE-1 ROTATED INTO THE GSE X-Y PLANE

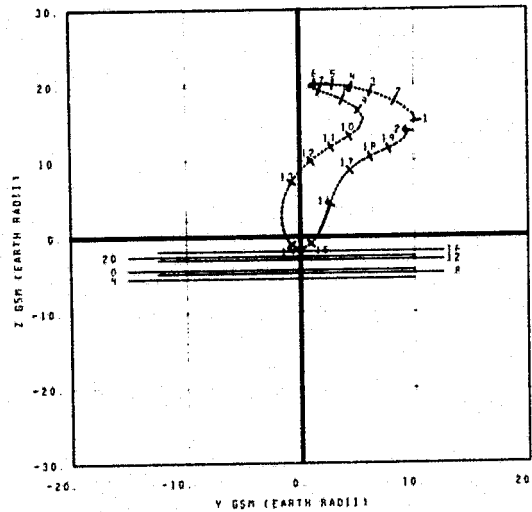


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/339/ 10.50H	LAT= 73.3	11- 1974/340/ 19.75H	LAT= 26.3
2- 1974/339/ 14.00H	LAT= 76.9	12- 1974/340/ 20.75H	LAT= -15.6
3- 1974/339/ 15.50H	LAT= 78.2	13- 1974/340/ 21.25H	LAT= -76.1
4- 1974/339/ 17.00H	LAT= 79.3	14- 1974/340/ 21.92H	LAT= -72.1
5- 1974/339/ 18.00H	LAT= 80.0	15- 1974/340/ 22.33H	LAT= 3.5
6- 1974/339/ 19.00H	LAT= 80.6	16- 1974/340/ 23.33H	LAT= 27.0
7- 1974/339/ 20.00H	LAT= 81.1	17- 1974/341/ 0.67H	LAT= 40.9
8- 1974/340/ 0.50H	LAT= 81.9	18- 1974/341/ 2.33H	LAT= 50.1
9- 1974/340/ 5.50H	LAT= 79.2	19- 1974/341/ 4.67H	LAT= 59.1
10- 1974/340/ 12.33H	LAT= 69.7	20- 1974/341/ 10.50H	LAT= 59.2

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/339/10.00H TO 1974/341/11.00H

HAWKEYE-1 PROJECTED ONTO THE GSM Y-Z PLANE

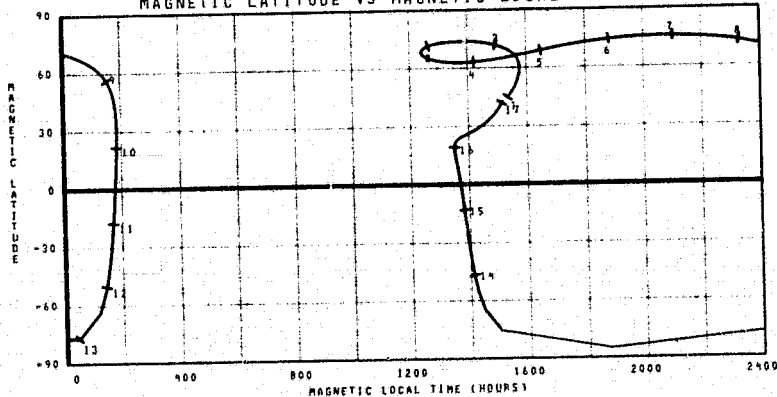


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/339/ 10.50H	R= 10.5RE	11- 1974/340/ 13.33H	R= 13.1RE
2- 1974/339/ 14.50H	R= 19.8RE	12- 1974/340/ 15.17H	R= 11.3RE
3- 1974/339/ 16.50H	R= 20.1RE	13- 1974/340/ 17.17H	R= 9.8RE
4- 1974/339/ 18.00H	R= 20.3RE	14- 1974/340/ 20.92H	R= 2.0RE
5- 1974/339/ 19.50H	R= 20.3RE	15- 1974/340/ 21.02H	R= 2.3RE
6- 1974/339/ 21.50H	R= 20.3RE	16- 1974/341/ 0.12H	R= 6.8RE
7- 1974/340/ 2.00H	R= 19.5RE	17- 1974/341/ 3.25H	R= 11.1RE
8- 1974/340/ 4.50H	R= 18.7RE	18- 1974/341/ 5.33H	R= 13.2RE
9- 1974/340/ 6.50H	R= 17.8RE	19- 1974/341/ 7.17H	R= 14.8RE
10- 1974/340/ 11.50H	R= 14.7RE	20- 1974/341/ 11.00H	R= 17.3RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/339/10.00H TO 1974/341/11.00H

HAWKEYE-1 MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

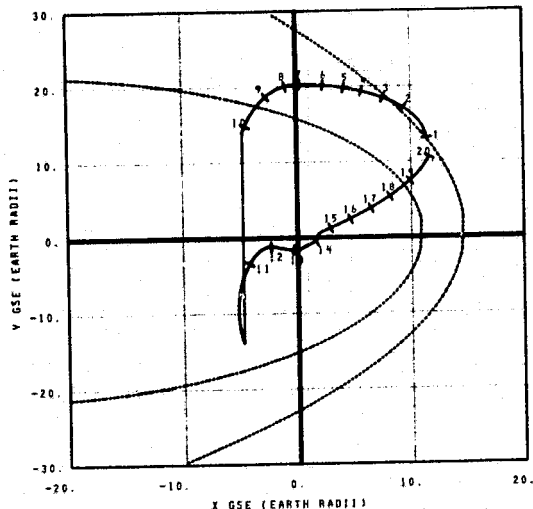


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/339/ 10.50H	R= 10.5RE	8- 1974/340/ 15.50H	R= 10.9RE	15- 1974/340/ 22.33H	R= 3.4RE
2- 1974/339/ 18.00H	R= 20.5RE	9- 1974/340/ 18.50H	R= 6.8RE	16- 1974/341/ 1.00H	R= 8.3RE
3- 1974/339/ 22.00H	R= 20.2RE	10- 1974/340/ 20.33H	R= 3.2RE	17- 1974/341/ 10.83H	R= 17.1RE
4- 1974/340/ 5.50H	R= 18.3RE	11- 1974/340/ 20.92H	R= 2.0RE		
5- 1974/340/ 9.50H	R= 18.1RE	12- 1974/340/ 21.17H	R= 1.7RE		
6- 1974/340/ 12.17H	R= 18.2RE	13- 1974/340/ 21.33H	R= 1.6RE		
7- 1974/340/ 13.83H	R= 12.7RE	14- 1974/340/ 21.75H	R= 2.2RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1974/339/10.00H TO 1974/341/11.00H

HAWKEYE-1
ROTATED INTO THE GSE X-Y PLANE

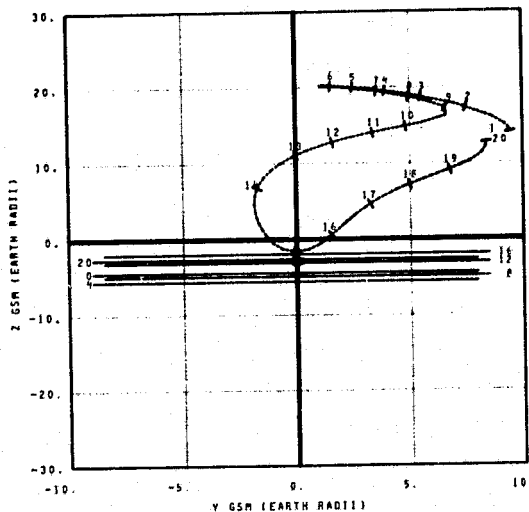


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/341/ 11.17H	LAT= 70.1	11- 1976/342/ 22.50H	LAT= 34.0
2- 1976/341/ 16.67H	LAT= 76.3	12- 1976/342/ 23.03H	LAT= -6.5
3- 1976/341/ 18.67H	LAT= 70.1	13- 1976/343/ 0.42H	LAT= -70.2
4- 1976/341/ 20.17H	LAT= 79.2	14- 1976/343/ 0.50H	LAT= -77.4
5- 1976/341/ 21.17H	LAT= 79.9	15- 1976/343/ 1.42H	LAT= -1.6
6- 1976/341/ 22.17H	LAT= 80.3	16- 1976/343/ 2.43H	LAT= 25.3
7- 1976/341/ 23.17H	LAT= 81.0	17- 1976/343/ 3.75H	LAT= 39.0
8- 1976/342/ 2.17H	LAT= 81.9	18- 1976/343/ 5.33H	LAT= 49.2
9- 1976/342/ 7.17H	LAT= 80.9	19- 1976/343/ 7.67H	LAT= 37.5
10- 1976/342/ 13.67H	LAT= 73.2	20- 1976/343/ 11.67H	LAT= 66.0

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/341/11.00H TO 1976/343/12.00H

HAWKEYE-1
PROJECTED ONTO THE GSM Y-Z PLANE

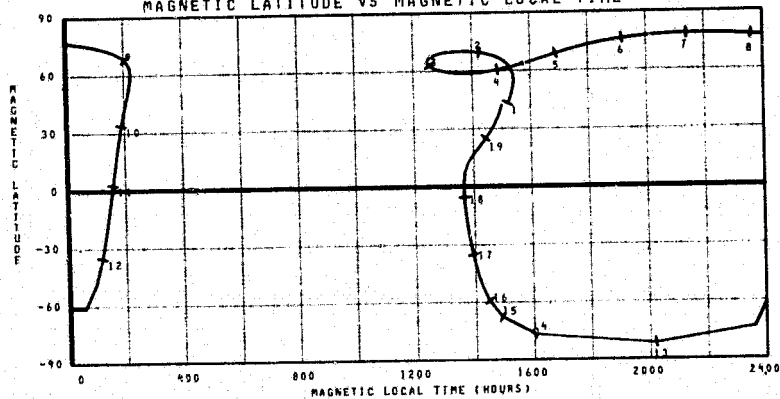


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/341/ 11.17H	R= 17.9R _E	11- 1976/342/ 14.17H	R= 15.1R _E
2- 1976/341/ 16.17H	R= 19.1R _E	12- 1976/342/ 15.03H	R= 13.0R _E
3- 1976/341/ 17.17H	R= 19.6R _E	13- 1976/342/ 17.50H	R= 12.2R _E
4- 1976/341/ 18.67H	R= 20.0R _E	14- 1976/342/ 20.50H	R= 8.6R _E
5- 1976/341/ 20.17H	R= 20.2R _E	15- 1976/343/ 0.50H	R= 1.6R _E
6- 1976/342/ 1.17H	R= 20.2R _E	16- 1976/343/ 1.67H	R= 3.7R _E
7- 1976/342/ 3.67H	R= 19.9R _E	17- 1976/343/ 3.75H	R= 7.5R _E
8- 1976/342/ 5.17H	R= 19.2R _E	18- 1976/343/ 5.75H	R= 10.3R _E
9- 1976/342/ 7.67H	R= 18.7R _E	19- 1976/343/ 7.83H	R= 12.5R _E
10- 1976/342/ 12.67H	R= 16.2R _E	20- 1976/343/ 12.00H	R= 16.0R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/341/11.00H TO 1976/343/12.00H

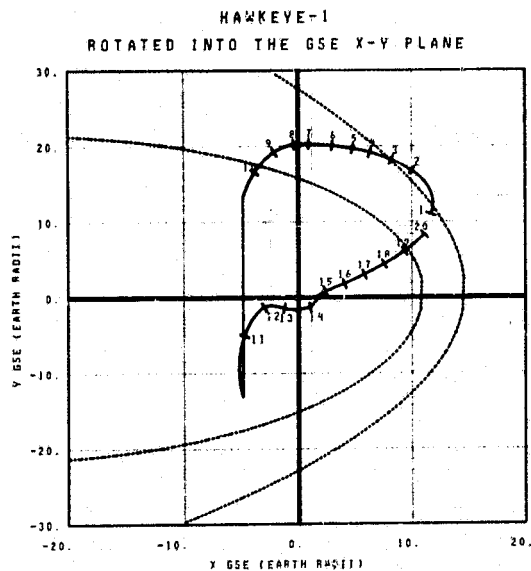
HAWKEYE-1
MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/341/ 11.17H	R= 17.9R _E	11- 1976/342/ 14.17H	R= 15.1R _E
2- 1976/341/ 16.17H	R= 19.1R _E	12- 1976/342/ 15.03H	R= 13.0R _E
3- 1976/341/ 18.67H	R= 20.0R _E	13- 1976/342/ 17.50H	R= 12.2R _E
4- 1976/341/ 20.17H	R= 20.2R _E	14- 1976/342/ 20.50H	R= 8.6R _E
5- 1976/342/ 1.17H	R= 20.2R _E	15- 1976/343/ 0.50H	R= 1.6R _E
6- 1976/342/ 3.67H	R= 19.9R _E	16- 1976/343/ 1.67H	R= 3.7R _E
7- 1976/342/ 5.17H	R= 19.2R _E	17- 1976/343/ 3.75H	R= 7.5R _E
8- 1976/342/ 7.67H	R= 18.7R _E	18- 1976/343/ 5.75H	R= 10.3R _E
9- 1976/342/ 12.67H	R= 16.2R _E	19- 1976/343/ 7.83H	R= 12.5R _E
10- 1976/343/ 0.42H	R= 8.6R _E	20- 1976/343/ 12.00H	R= 16.0R _E

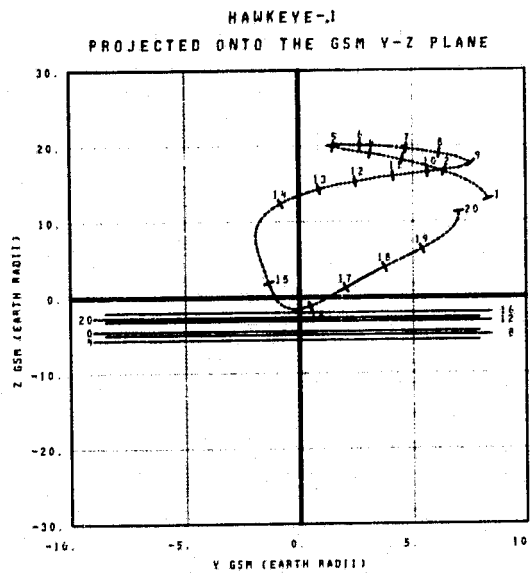
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/341/11.00H TO 1976/343/12.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/343/ 12.17H	LAT= 44.9	11 - 1976/345/ 0.83H	LAT= 95.2
2 - 1976/343/ 20.00H	LAT= 76.4	12 - 1976/345/ 2.75H	LAT= 9.0
3 - 1976/343/ 22.00H	LAT= 76.1	13 - 1976/345/ 3.42H	LAT= -90.4
4 - 1976/343/ 23.50H	LAT= 79.3	14 - 1976/345/ 3.75H	LAT= -81.4
5 - 1976/344/ 0.50H	LAT= 80.0	15 - 1976/345/ 4.33H	LAT= -17.0
6 - 1976/344/ 1.50H	LAT= 80.6	16 - 1976/345/ 5.25H	LAT= 18.0
7 - 1976/344/ 2.50H	LAT= 81.1	17 - 1976/345/ 6.40H	LAT= 39.9
8 - 1976/344/ 4.00H	LAT= 81.6	18 - 1976/345/ 7.83H	LAT= 45.4
9 - 1976/344/ 9.00H	LAT= 81.3	19 - 1976/345/ 9.75H	LAT= 53.9
10 - 1976/344/ 14.50H	LAT= 76.7	20 - 1976/345/ 12.50H	LAT= 61.4

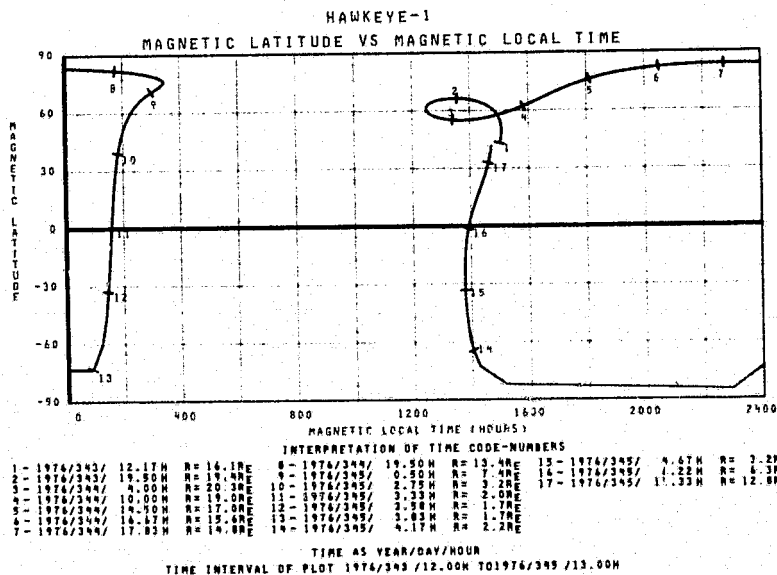
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/343/12.00H TO 1976/345/13.00H

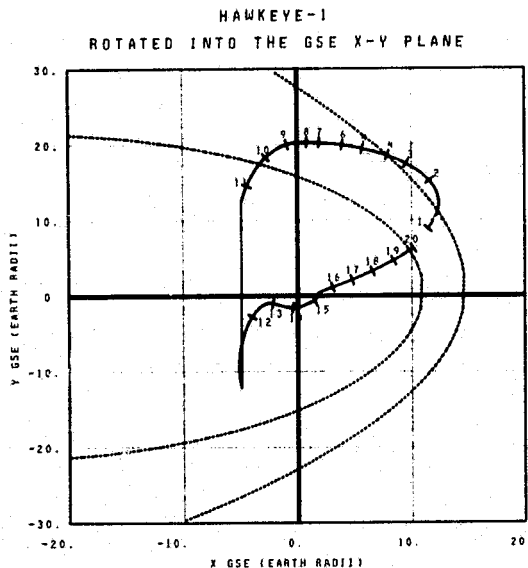


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/343/ 12.17H	R= 16.1R _E	11 - 1976/344/ 14.50H	R= 17.0R _E
2 - 1976/343/ 20.00H	R= 18.2R _E	12 - 1976/344/ 16.00H	R= 16.1R _E
3 - 1976/343/ 22.00H	R= 19.0R _E	13 - 1976/344/ 17.50H	R= 15.0R _E
4 - 1976/343/ 23.50H	R= 19.4R _E	14 - 1976/344/ 19.50H	R= 13.4R _E
5 - 1976/343/ 22.00H	R= 20.0R _E	15 - 1976/345/ 2.17H	R= 4.5R _E
6 - 1976/344/ 2.50H	R= 20.3R _E	16 - 1976/345/ 4.17H	R= 2.2R _E
7 - 1976/344/ 4.50H	R= 20.2R _E	17 - 1976/345/ 5.33H	R= 4.4R _E
8 - 1976/344/ 4.00H	R= 20.0R _E	18 - 1976/345/ 6.92H	R= 7.4R _E
9 - 1976/344/ 9.00H	R= 19.3R _E	19 - 1976/345/ 8.75H	R= 10.6R _E
10 - 1976/344/ 13.00H	R= 17.0R _E	20 - 1976/345/ 13.00H	R= 14.3R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/343/12.00H TO 1976/345/13.00H

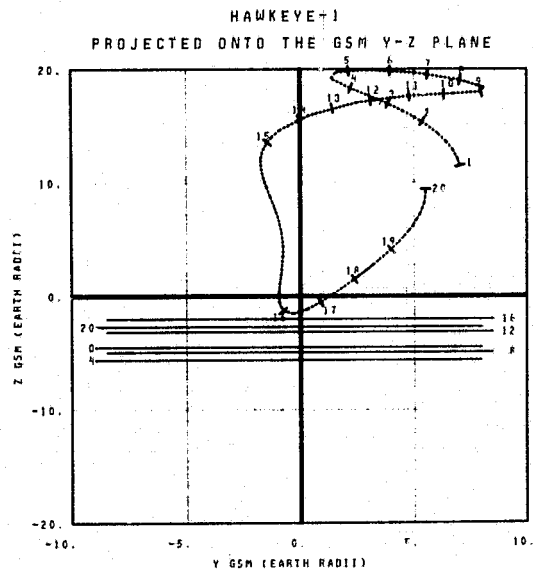




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/345/ 13.17H	LAT= 62.8	11- 1976/346/ 20.50H	LAT= 72.7
2- 1976/345/ 21.67H	LAT= 74.8	12- 1976/347/ 5.17H	LAT= 31.0
3- 1976/346/ 0.67H	LAT= 77.6	13- 1976/347/ 6.33H	LAT= -11.6
4- 1976/346/ 2.17H	LAT= 78.8	14- 1976/347/ 6.83H	LAT= -69.5
5- 1976/346/ 3.67H	LAT= 79.9	15- 1976/347/ 7.00H	LAT= -78.0
6- 1976/346/ 4.67H	LAT= 80.3	16- 1976/347/ 7.92H	LAT= 2.0
7- 1976/346/ 5.67H	LAT= 81.0	17- 1976/347/ 8.07H	LAT= 25.6
8- 1976/346/ 6.17H	LAT= 81.2	18- 1976/347/ 10.08H	LAT= 39.1
9- 1976/346/ 9.17H	LAT= 82.0	19- 1976/347/ 11.67H	LAT= 48.9
10- 1976/346/ 14.67H	LAT= 79.8	20- 1976/347/ 13.67H	LAT= 56.2

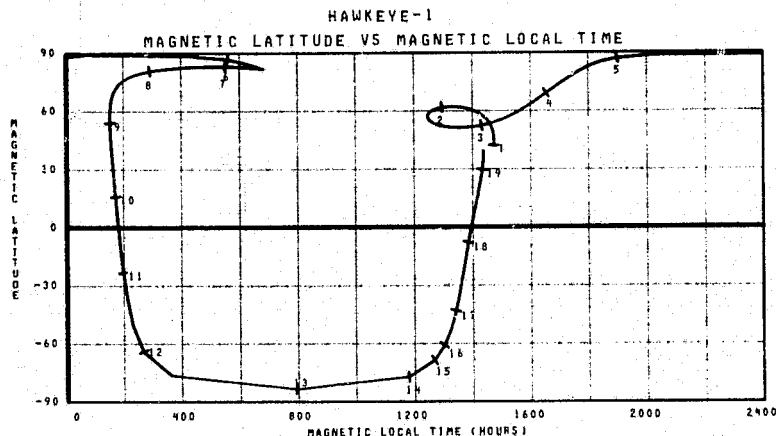
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/345/13.00H TO 1976/347/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/345/ 13.17H	R= 14.58R _E	11- 1976/346/ 14.67H	R= 16.58R _E
2- 1976/345/ 21.67H	R= 16.98R _E	12- 1976/346/ 15.17H	R= 17.68R _E
3- 1976/345/ 18.50H	R= 17.08R _E	13- 1976/346/ 17.67H	R= 17.68R _E
4- 1976/345/ 20.67H	R= 18.88R _E	14- 1976/346/ 19.17H	R= 16.18R _E
5- 1976/346/ 1.67H	R= 20.18R _E	15- 1976/346/ 21.50H	R= 14.48R _E
6- 1976/346/ 3.67H	R= 20.38R _E	16- 1976/347/ 6.75H	R= 1.78R _E
7- 1976/346/ 5.17H	R= 20.38R _E	17- 1976/347/ 7.75H	R= 3.68R _E
8- 1976/346/ 6.67H	R= 20.38R _E	18- 1976/347/ 8.78H	R= 5.18R _E
9- 1976/346/ 10.67H	R= 19.78R _E	19- 1976/347/ 10.33H	R= 7.88R _E
10- 1976/346/ 13.17H	R= 19.08R _E	20- 1976/347/ 14.00H	R= 12.38R _E

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/345/13.00H TO 1976/347/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

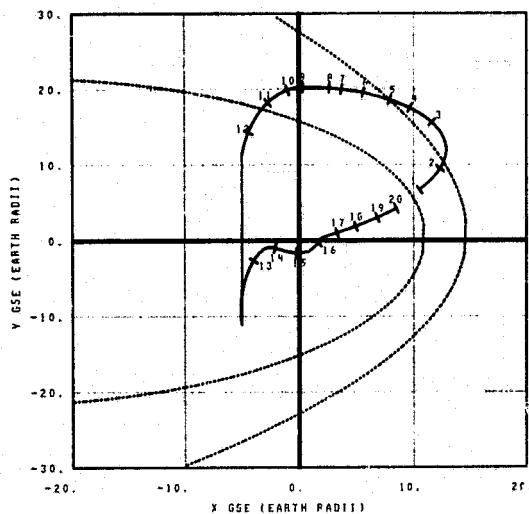
1- 1976/345/ 13.17H	R= 14.58R _E	8- 1976/346/ 3.67H	R= 7.58R _E	15- 1976/347/ 7.33H	R= 2.18R _E
2- 1976/345/ 21.67H	R= 16.98R _E	9- 1976/346/ 5.67H	R= 3.98R _E	16- 1976/347/ 7.48H	R= 2.28R _E
3- 1976/346/ 0.67H	R= 20.38R _E	10- 1976/346/ 6.02H	R= 2.38R _E	17- 1976/347/ 7.67H	R= 2.88R _E
4- 1976/346/ 13.17H	R= 15.08R _E	11- 1976/346/ 6.75H	R= 1.78R _E	18- 1976/347/ 8.78H	R= 5.08R _E
5- 1976/346/ 20.33H	R= 15.38R _E	12- 1976/347/ 5.00H	R= 1.68R _E	19- 1976/347/ 12.48H	R= 10.68R _E
6- 1976/346/ 20.33H	R= 15.38R _E	13- 1976/347/ 7.17H	R= 1.08R _E		
7- 1976/347/ 2.33H	R= 9.48R _E	14- 1976/347/ 7.25H	R= 1.98R _E		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/345/13.00H TO 1976/347/14.00H

ORIGINAL PAGE IS
OF POOR QUALITY

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/347/ 14.17H	LAT= 57.4	11 - 1976/348/ 18.00H	LAT= 79.7
2 - 1976/347/ 17.03H	LAT= 65.5	12 - 1976/348/ 24.00H	LAT= 72.3
3 - 1976/348/ 2.00H	LAT= 75.9	13 - 1976/349/ 8.42H	LAT= 30.4
4 - 1976/348/ 4.50H	LAT= 78.1	14 - 1976/349/ 9.58H	LAT= -14.9
5 - 1976/348/ 6.00H	LAT= 79.2	15 - 1976/349/ 10.08H	LAT= -75.1
6 - 1976/348/ 7.50H	LAT= 80.2	16 - 1976/349/ 10.25H	LAT= -72.8
7 - 1976/348/ 8.50H	LAT= 80.8	17 - 1976/349/ 11.17H	LAT= 8.5
8 - 1976/348/ 9.00H	LAT= 81.0	18 - 1976/349/ 12.07H	LAT= 25.4
9 - 1976/348/ 10.00H	LAT= 81.5	19 - 1976/349/ 13.33H	LAT= 39.5
10 - 1976/348/ 13.00H	LAT= 81.9	20 - 1976/349/ 14.75H	LAT= 48.1

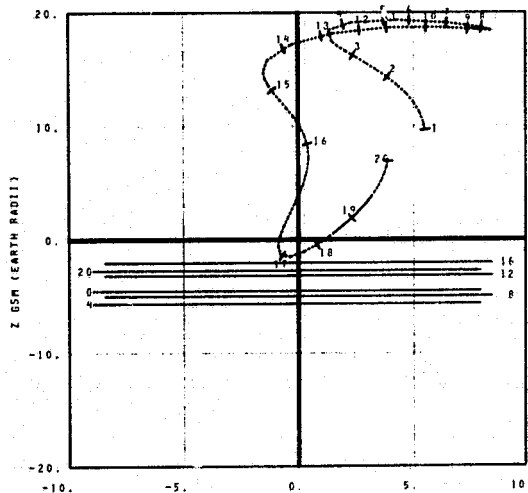
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/347/14.00H TO 1976/349/15.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/347/ 14.17H	R= 12.5RE	11 - 1976/348/ 14.00H	R= 19.2RE
2 - 1976/347/ 18.00H	R= 19.7RE	12 - 1976/348/ 17.00H	R= 18.8RE
3 - 1976/347/ 20.17H	R= 17.0RE	13 - 1976/348/ 18.50H	R= 18.2RE
4 - 1976/348/ 1.50H	R= 19.3RE	14 - 1976/348/ 20.50H	R= 17.3RE
5 - 1976/348/ 3.50H	R= 19.8RE	15 - 1976/349/ 1.17H	R= 14.1RE
6 - 1976/348/ 4.50H	R= 20.0RE	16 - 1976/349/ 5.17H	R= 9.4RE
7 - 1976/348/ 6.00H	R= 20.2RE	17 - 1976/349/ 10.08H	R= 1.6RE
8 - 1976/348/ 8.00H	R= 20.3RE	18 - 1976/349/ 11.00H	R= 3.0RE
9 - 1976/348/ 12.50H	R= 20.0RE	19 - 1976/349/ 12.15H	R= 5.4RE
10 - 1976/348/ 14.75H	R= 19.4RE	20 - 1976/349/ 15.00H	R= 9.8RE

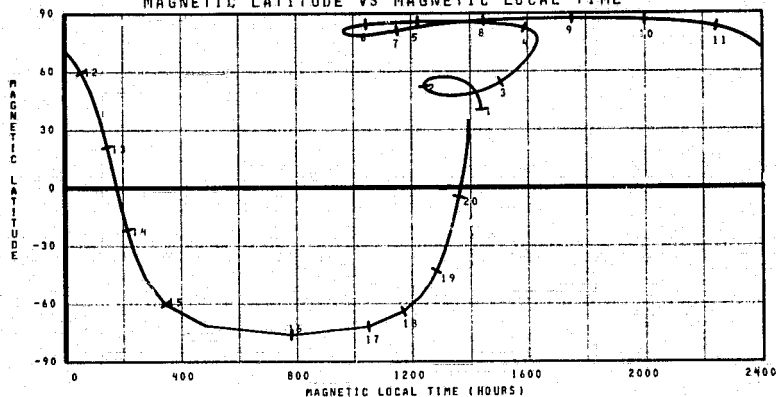
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/347/14.00H TO 1976/349/15.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

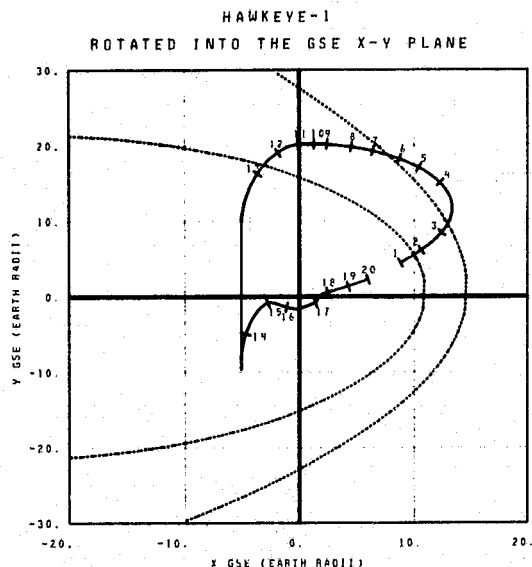


INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/347/ 14.17H	R= 12.5RE	8 - 1976/349/ 5.17H	R= 9.9RE	15 - 1976/349/ 10.17H	R= 1.6RE
2 - 1976/347/ 18.00H	R= 19.7RE	9 - 1976/349/ 5.67H	R= 9.3RE	16 - 1976/349/ 10.33H	R= 1.7RE
3 - 1976/348/ 2.00H	R= 20.3RE	10 - 1976/349/ 6.00H	R= 8.0RE	17 - 1976/349/ 10.42H	R= 1.9RE
4 - 1976/348/ 4.50H	R= 19.8RE	11 - 1976/349/ 6.67H	R= 7.8RE	18 - 1976/349/ 10.50H	R= 2.0RE
5 - 1976/348/ 6.00H	R= 17.0RE	12 - 1976/349/ 6.50H	R= 4.7RE	19 - 1976/349/ 10.75H	R= 2.0RE
6 - 1976/348/ 7.50H	R= 17.3RE	13 - 1976/349/ 9.50H	R= 2.5RE	20 - 1976/349/ 11.70H	R= 4.5RE
7 - 1976/349/ 3.33H	R= 12.0RE	14 - 1976/349/ 9.92H	R= 1.6RE		

TIME AS YEAR/DAY/HOUR

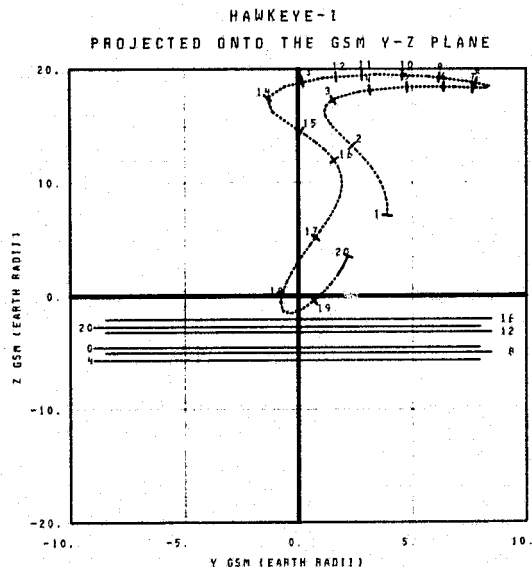
TIME INTERVAL OF PLOT 1976/347/14.00H TO 1976/349/15.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/349/ 15.00H	LAT= 49.7	11- 1976/350/ 14.17H	LAT= 81.7
2- 1976/349/ 17.17H	LAT= 57.0	12- 1976/350/ 19.17H	LAT= 81.1
3- 1976/349/ 20.33H	LAT= 64.2	13- 1976/351/ 0.67H	LAT= 76.2
4- 1976/350/ 9.17H	LAT= 75.8	14- 1976/351/ 10.50H	LAT= 15.2
5- 1976/350/ 7.67H	LAT= 78.0	15- 1976/351/ 12.50H	LAT= 4.0
6- 1976/350/ 9.17H	LAT= 79.2	16- 1976/351/ 13.08H	LAT= -44.8
7- 1976/350/ 10.67H	LAT= 80.2	17- 1976/351/ 13.42H	LAT= -78.4
8- 1976/350/ 11.67H	LAT= 80.7	18- 1976/351/ 14.00H	LAT= -15.2
9- 1976/350/ 12.67H	LAT= 81.2	19- 1976/351/ 14.82H	LAT= 18.8
10- 1976/350/ 13.17H	LAT= 81.4	20- 1976/351/ 15.95H	LAT= 34.0

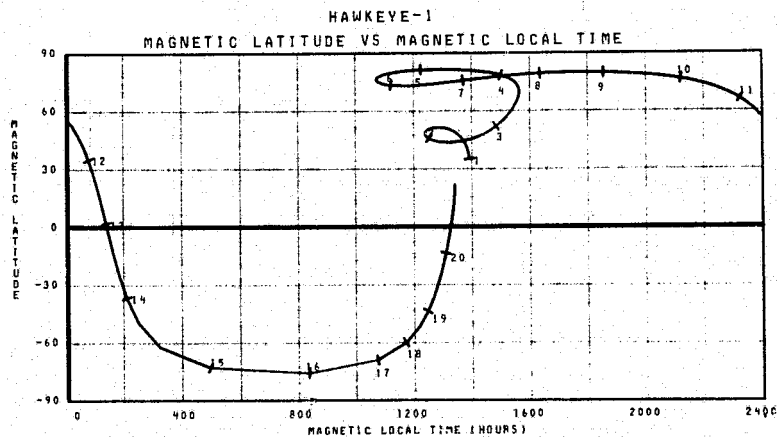
TIME AS YEAR/DAY/HOUR
LAT IS GEE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/349/15.00H TO 1976/351/14.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/349/ 15.00H	R= 9.9RE	11- 1976/350/ 17.17H	R= 19.7RE
2- 1976/349/ 19.67H	R= 19.3RE	12- 1976/350/ 18.17H	R= 19.5RE
3- 1976/350/ 1.00H	R= 17.9RE	13- 1976/350/ 19.67H	R= 19.0RE
4- 1976/350/ 3.17H	R= 18.8RE	14- 1976/350/ 22.67H	R= 17.0RE
5- 1976/350/ 4.67H	R= 19.3RE	15- 1976/351/ 3.00H	R= 15.1RE
6- 1976/350/ 6.17H	R= 19.7RE	16- 1976/351/ 5.50H	R= 13.0RE
7- 1976/350/ 7.67H	R= 20.0RE	17- 1976/351/ 10.33H	R= 7.1RE
8- 1976/350/ 12.17H	R= 20.3RE	18- 1976/351/ 12.58H	R= 2.6RE
9- 1976/350/ 14.17H	R= 20.2RE	19- 1976/351/ 14.17H	R= 2.9RE
10- 1976/350/ 15.67H	R= 20.0RE	20- 1976/351/ 15.98H	R= 4.5RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/349/15.00H TO 1976/351/14.00H



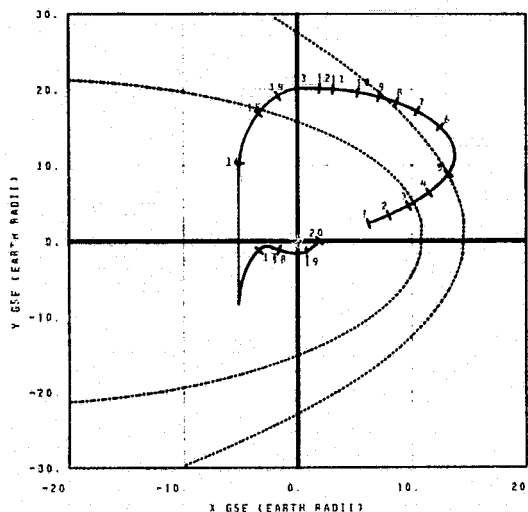
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/349/ 15.00H	R= 9.9RE	11- 1976/350/ 17.17H	R= 19.7RE
2- 1976/350/ 1.33H	R= 18.0RE	12- 1976/350/ 19.17H	R= 19.1RE
3- 1976/350/ 9.17H	R= 20.3RE	13- 1976/351/ 0.67H	R= 17.9RE
4- 1976/350/ 9.17H	R= 19.7RE	14- 1976/351/ 10.50H	R= 15.2RE
5- 1976/350/ 17.67H	R= 19.0RE	15- 1976/351/ 12.50H	R= 4.0RE
6- 1976/350/ 19.67H	R= 18.4RE	16- 1976/351/ 13.08H	R= -44.8RE
7- 1976/351/ 5.17H	R= 13.4RE	17- 1976/351/ 13.42H	R= -78.4RE
8- 1976/351/ 7.17H	R= 11.3RE	18- 1976/351/ 14.00H	R= -15.2RE
9- 1976/351/ 9.17H	R= 10.2RE	19- 1976/351/ 14.82H	R= 18.8RE
10- 1976/351/ 9.25H	R= 8.4RE	20- 1976/351/ 15.95H	R= 34.0RE
11- 1976/351/ 10.67H	R= 6.5RE		
12- 1976/351/ 12.25H	R= 3.5RE		
13- 1976/351/ 12.83H	R= 3.1RE		
14- 1976/351/ 13.17H	R= 1.7RE		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/349/15.00H TO 1976/351/14.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/351/ 16.00H	LAT= 34.6	11- 1974/352/ 16.00H	LAT= 81.3
2- 1974/351/ 17.33H	LAT= 44.8	12- 1974/352/ 16.50H	LAT= 81.4
3- 1974/351/ 19.00H	LAT= 52.5	13- 1974/352/ 17.50H	LAT= 81.7
4- 1974/351/ 21.32H	LAT= 59.5	14- 1974/352/ 22.00H	LAT= 81.3
5- 1974/352/ 0.00H	LAT= 66.4	15- 1974/353/ 3.00H	LAT= 77.3
6- 1974/352/ 9.00H	LAT= 76.3	16- 1974/353/ 10.17H	LAT= 63.7
7- 1974/352/ 11.53H	LAT= 78.5	17- 1974/353/ 15.42H	LAT= 15.7
8- 1974/352/ 12.03H	LAT= 79.6	18- 1974/353/ 16.17H	LAT= -30.3
9- 1974/352/ 14.00H	LAT= 80.2	19- 1974/353/ 16.58H	LAT= -81.7
10- 1974/352/ 15.00H	LAT= 80.8	20- 1974/353/ 16.83H	LAT= -99.5

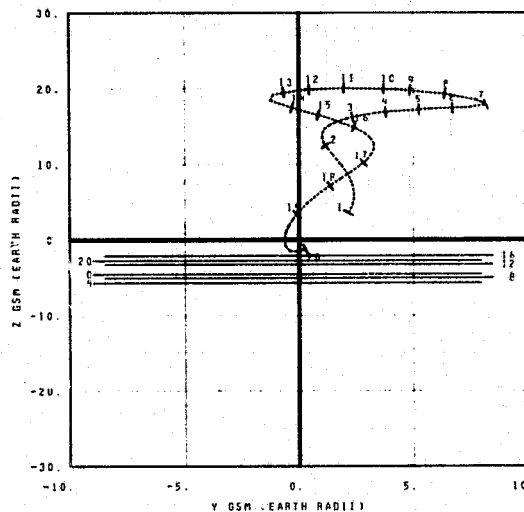
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1974/351/16.00H TO 1974/353/17.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/351/ 16.00H	R= 6.5RE	11- 1974/352/ 16.00H	R= 20.1RE
2- 1974/351/ 17.33H	R= 13.8RE	12- 1974/352/ 16.50H	R= 19.9RE
3- 1974/351/ 19.00H	R= 17.1RE	13- 1974/352/ 17.50H	R= 19.6RE
4- 1974/351/ 21.32H	R= 17.4RE	14- 1974/352/ 22.00H	R= 17.7RE
5- 1974/352/ 0.00H	R= 18.5RE	15- 1974/353/ 3.00H	R= 14.9RE
6- 1974/352/ 9.00H	R= 19.0RE	16- 1974/353/ 10.17H	R= 15.7RE
7- 1974/352/ 11.53H	R= 19.8RE	17- 1974/353/ 15.42H	R= 11.7RE
8- 1974/352/ 12.03H	R= 20.3RE	18- 1974/353/ 16.17H	R= 8.9RE
9- 1974/352/ 14.00H	R= 20.3RE	19- 1974/353/ 16.58H	R= 5.6RE
10- 1974/352/ 15.00H	R= 20.3RE	20- 1974/353/ 16.83H	R= 2.2RE

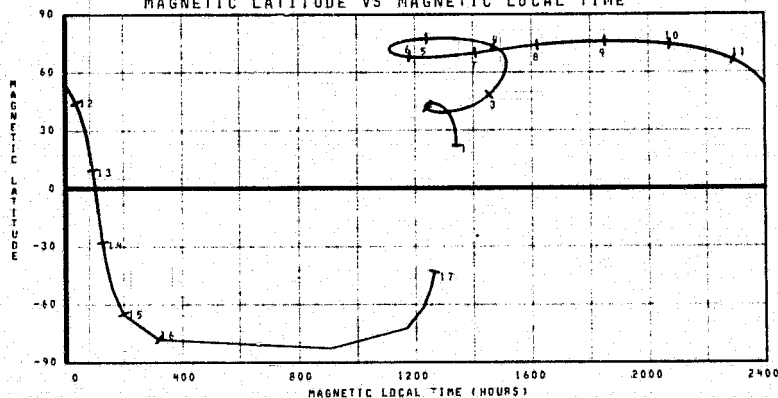
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1974/351/16.00H TO 1974/353/17.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

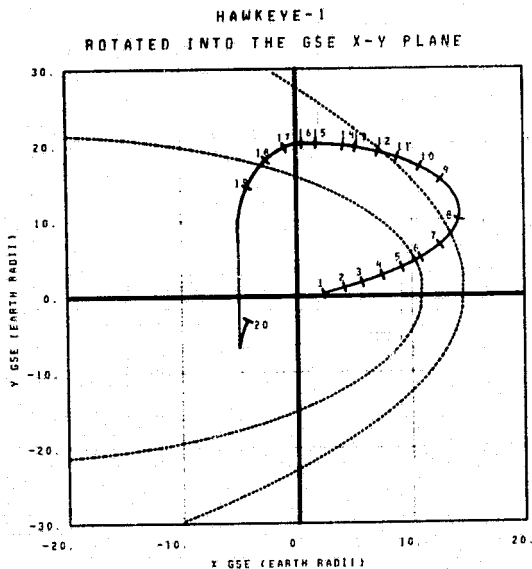


INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/351/ 16.00H	R= 6.5RE	8- 1974/353/ 8.33H	R= 13.4RE	15- 1974/353/ 16.50H	R= 1.6RE
2- 1974/352/ 0.67H	R= 15.8RE	9- 1974/353/ 10.00H	R= 11.7RE	16- 1974/353/ 16.58H	R= 1.6RE
3- 1974/352/ 9.50H	R= 19.7RE	10- 1974/353/ 11.53H	R= 10.3RE	17- 1974/353/ 17.00H	R= 2.2RE
4- 1974/352/ 16.50H	R= 20.1RE	11- 1974/353/ 13.00H	R= 8.0RE		
5- 1974/352/ 19.58H	R= 19.9RE	12- 1974/353/ 14.83H	R= 4.0RE		
6- 1974/353/ 2.00H	R= 17.7RE	13- 1974/353/ 15.42H	R= 1.7RE		
7- 1974/353/ 4.00H	R= 15.5RE	14- 1974/353/ 16.25H	R= 1.4RE		

TIME AS YEAR/DAY/HOUR

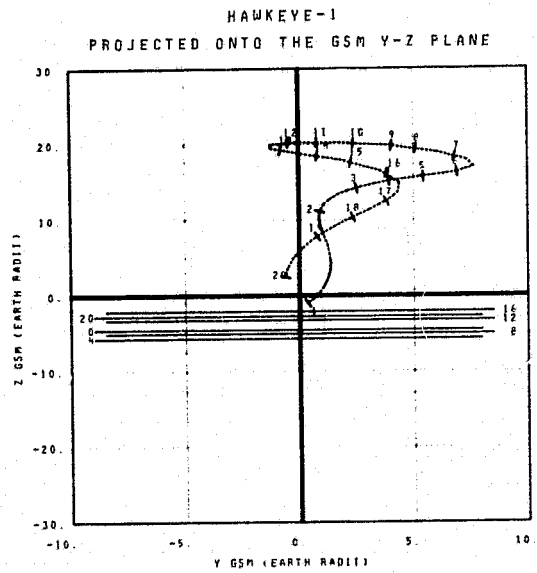
TIME INTERVAL OF PLOT 1974/351/16.00H TO 1974/353/17.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/353/ 17.00H	LAT= -24.2	11- 1976/354/ 16.67H	LAT= 79.9
2- 1976/353/ 18.00H	LAT= 16.0	12- 1976/354/ 17.67H	LAT= 80.5
3- 1976/353/ 18.00H	LAT= 30.9	13- 1976/354/ 18.67H	LAT= 81.0
4- 1976/353/ 20.00H	LAT= 41.8	14- 1976/354/ 19.17H	LAT= 81.2
5- 1976/353/ 21.50H	LAT= 49.6	15- 1976/354/ 20.17H	LAT= 81.4
6- 1976/353/ 23.25H	LAT= 55.9	16- 1976/354/ 20.67H	LAT= 81.6
7- 1976/354/ 1.67H	LAT= 62.0	17- 1976/354/ 23.67H	LAT= 81.7
8- 1976/354/ 6.50H	LAT= 70.0	18- 1976/355/ 4.17H	LAT= 79.4
9- 1976/354/ 13.17H	LAT= 77.2	19- 1976/355/ 9.50H	LAT= 72.7
10- 1976/354/ 19.17H	LAT= 78.8	20- 1976/355/ 17.75H	LAT= 35.3

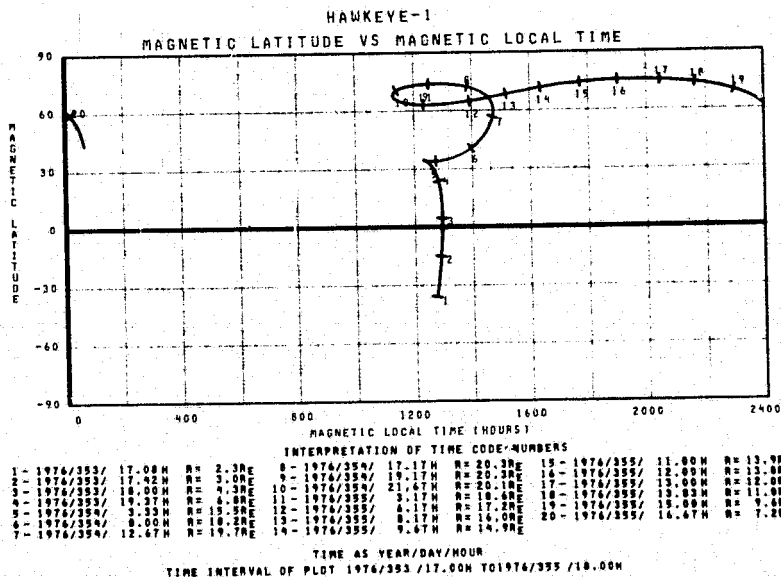
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/353/17.00H TO 1976/355/18.00H

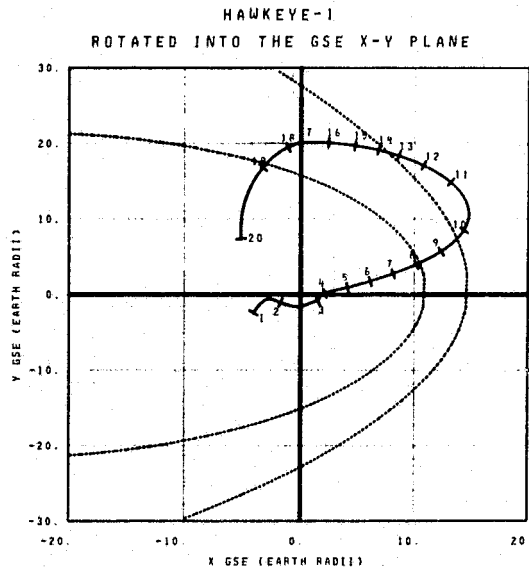


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/353/ 17.00H	R= 2.3RE	11- 1976/354/ 19.17H	R= 20.3RE
2- 1976/354/ 0.00H	R= 12.7RE	12- 1976/354/ 20.67H	R= 20.2RE
3- 1976/354/ 3.33H	R= 15.5RE	13- 1976/355/ 1.17H	R= 19.3RE
4- 1976/354/ 4.83H	R= 16.9RE	14- 1976/355/ 3.17H	R= 18.6RE
5- 1976/354/ 4.33H	R= 17.3RE	15- 1976/355/ 4.67H	R= 18.0RE
6- 1976/354/ 8.17H	R= 18.2RE	16- 1976/355/ 4.67H	R= 16.9RE
7- 1976/354/ 13.17H	R= 19.0RE	17- 1976/355/ 11.00H	R= 13.9RE
8- 1976/354/ 15.17H	R= 20.2RE	18- 1976/355/ 13.17H	R= 11.0RE
9- 1976/354/ 16.17H	R= 20.3RE	19- 1976/355/ 15.17H	R= 9.9RE
10- 1976/354/ 17.67H	R= 20.3RE	20- 1976/355/ 18.00H	R= 4.9RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/353/17.00H TO 1976/355/18.00H

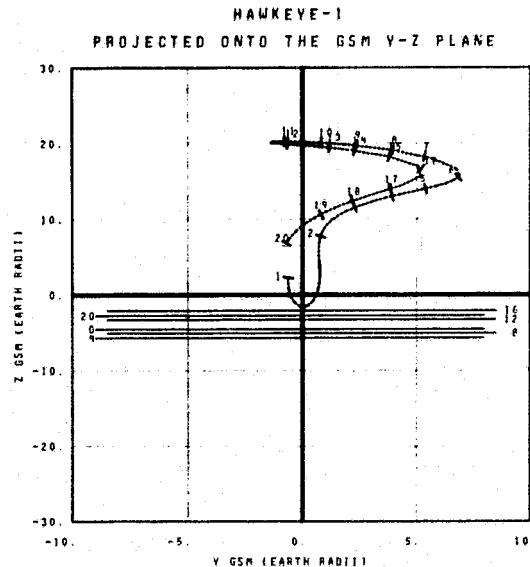




INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/355/ 18.08H	LAT= 29.5	11- 1976/356/ 16.50H	LAT= 77.2
2- 1976/355/ 19.33H	LAT= -24.7	12- 1976/356/ 19.00H	LAT= 79.2
3- 1976/355/ 19.83H	LAT= -77.1	13- 1976/356/ 20.50H	LAT= 80.2
4- 1976/355/ 20.17H	LAT= -34.9	14- 1976/356/ 21.50H	LAT= 80.8
5- 1976/355/ 21.17H	LAT= 15.0	15- 1976/356/ 22.50H	LAT= 81.2
6- 1976/355/ 22.32H	LAT= 33.4	16- 1976/356/ 23.50H	LAT= 81.4
7- 1976/355/ 13.75H	LAT= 44.6	17- 1976/357/ 0.50H	LAT= 81.9
8- 1976/356/ 1.58H	LAT= 53.0	18- 1976/357/ 3.50H	LAT= 81.7
9- 1976/356/ 4.17H	LAT= 60.3	19- 1976/357/ 9.50H	LAT= 77.3
10- 1976/356/ 8.33H	LAT= 67.9	20- 1976/357/ 18.67H	LAT= 55.4

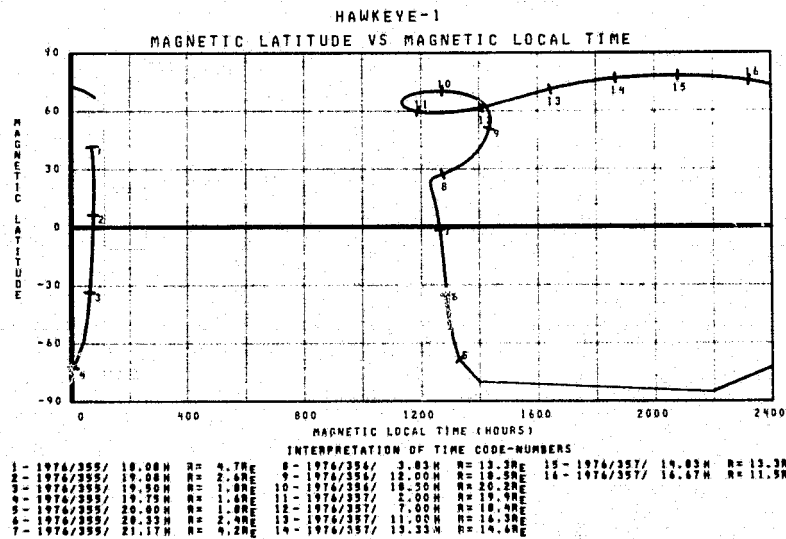
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/355/18.00H TO 1976/357/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/355/ 18.08H	R= 4.7RE	11- 1976/356/ 21.00H	R= 20.3RE
2- 1976/356/ 0.67H	R= 9.9RE	12- 1976/357/ 1.50H	R= 20.0RE
3- 1976/356/ 3.83H	R= 13.3RE	13- 1976/357/ 3.50H	R= 19.5RE
4- 1976/356/ 5.47H	R= 14.8RE	14- 1976/357/ 4.50H	R= 19.3RE
5- 1976/356/ 7.33H	R= 16.0RE	15- 1976/357/ 6.00H	R= 18.8RE
6- 1976/356/ 10.17H	R= 17.7RE	16- 1976/357/ 8.50H	R= 17.7RE
7- 1976/356/ 14.50H	R= 19.4RE	17- 1976/357/ 12.67H	R= 15.1RE
8- 1976/356/ 16.00H	R= 19.7RE	18- 1976/357/ 14.67H	R= 13.4RE
9- 1976/356/ 17.50H	R= 20.0RE	19- 1976/357/ 16.33H	R= 11.0RE
10- 1976/356/ 19.00H	R= 20.2RE	20- 1976/357/ 19.00H	R= 8.5RE

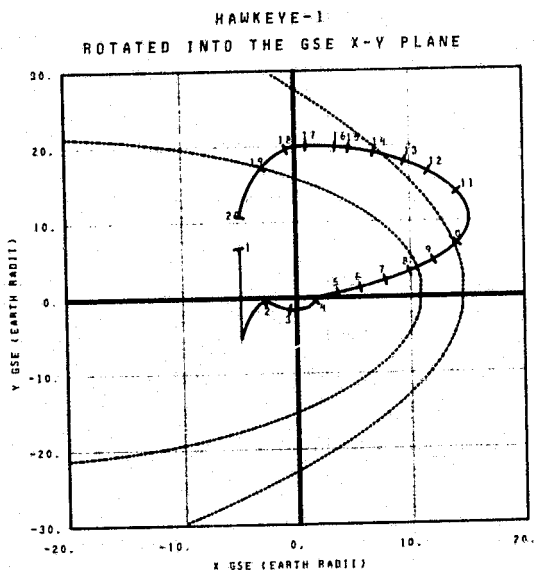
TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/355/18.00H TO 1976/357/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/355/ 18.08H	R= 4.7RE	8- 1976/356/ 3.83H	R= 13.3RE	15- 1976/357/ 14.67H	R= 13.3RE
2- 1976/355/ 19.00H	R= 2.6RE	9- 1976/356/ 12.00H	R= 18.5RE	16- 1976/357/ 16.67H	R= 11.5RE
3- 1976/355/ 19.50H	R= 1.8RE	10- 1976/356/ 18.50H	R= 20.2RE		
4- 1976/355/ 19.75H	R= 1.4RE	11- 1976/357/ 5.00H	R= 19.4RE		
5- 1976/355/ 20.00H	R= 1.0RE	12- 1976/357/ 7.00H	R= 18.4RE		
6- 1976/355/ 20.32H	R= 2.4RE	13- 1976/357/ 11.00H	R= 16.3RE		
7- 1976/355/ 21.17H	R= 4.2RE	14- 1976/357/ 13.33H	R= 14.6RE		

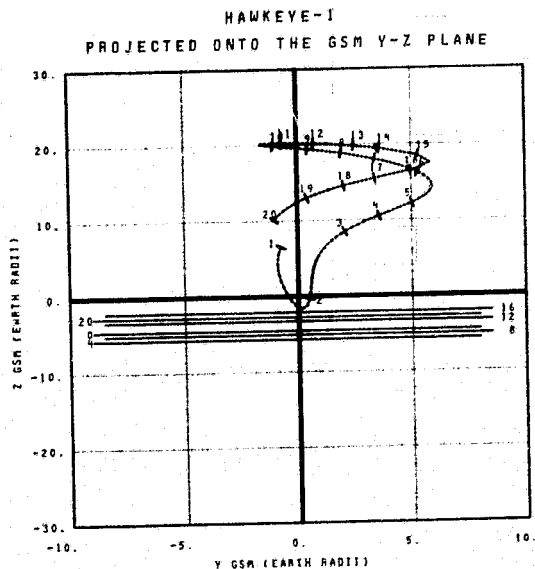
TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/355/18.00H TO 1976/357/19.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/357/ 19.17H	LAT= 52.5	11 - 1976/358/ 19.17H	LAT= 74.7
2 - 1976/357/ 22.17H	LAT= 0.9	12 - 1976/358/ 22.17H	LAT= 79.1
3 - 1976/357/ 22.83H	LAT= -45.5	13 - 1976/358/ 23.47H	LAT= 80.1
4 - 1976/357/ 23.08H	LAT= -70.3	14 - 1976/359/ 1.17H	LAT= 81.0
5 - 1976/358/ 0.08H	LAT= 4.8	15 - 1976/359/ 2.17H	LAT= 81.9
6 - 1976/358/ 1.13H	LAT= 28.7	16 - 1976/359/ 2.67H	LAT= 81.6
7 - 1976/358/ 2.58H	LAT= 42.3	17 - 1976/359/ 3.67H	LAT= 81.8
8 - 1976/358/ 4.33H	LAT= 51.2	18 - 1976/359/ 6.17H	LAT= 81.9
9 - 1976/358/ 6.67H	LAT= 58.5	19 - 1976/359/ 12.17H	LAT= 74.0
10 - 1976/358/ 10.17H	LAT= 69.7	20 - 1976/359/ 19.50H	LAT= 64.8

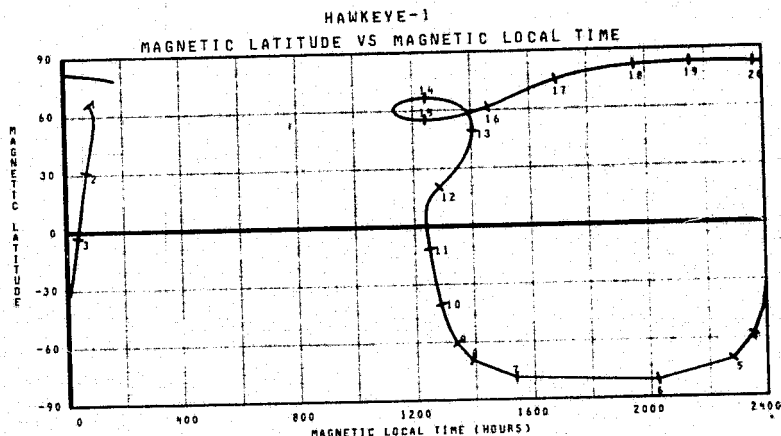
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/357/19.00H TO 1976/359/20.00H



INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/357/ 19.17H	R= 8.3Re	11 - 1976/359/ 1.67H	R= 20.3Re
2 - 1976/357/ 23.75H	R= 2.9Re	12 - 1976/359/ 3.17H	R= 28.2Re
3 - 1976/358/ 4.58H	R= 10.7Re	13 - 1976/359/ 4.67H	R= 24.0Re
4 - 1976/358/ 6.50H	R= 12.8Re	14 - 1976/359/ 5.67H	R= 19.8Re
5 - 1976/358/ 8.50H	R= 14.5Re	15 - 1976/359/ 7.67H	R= 19.3Re
6 - 1976/358/ 12.67H	R= 17.8Re	16 - 1976/359/ 12.17H	R= 17.9Re
7 - 1976/358/ 16.17H	R= 18.9Re	17 - 1976/359/ 19.17H	R= 16.3Re
8 - 1976/358/ 17.67H	R= 19.4Re	18 - 1976/359/ 15.67H	R= 15.2Re
9 - 1976/358/ 19.17H	R= 19.7Re	19 - 1976/359/ 17.50H	R= 13.8Re
10 - 1976/358/ 21.17H	R= 20.1Re	20 - 1976/359/ 20.00H	R= 11.3Re

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/357/19.00H TO 1976/359/20.00H



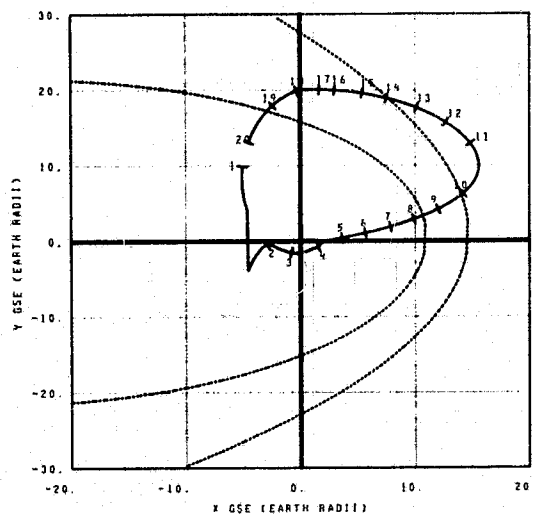
INTERPRETATION OF TIME CODE-NUMBERS

1 - 1976/357/ 19.17H	R= 8.3Re	8 - 1976/357/ 23.25H	R= 1.9Re	15 - 1976/359/ 3.67H	R= 20.1Re
2 - 1976/357/ 21.92H	R= 2.9Re	9 - 1976/357/ 23.33H	R= 2.0Re	16 - 1976/359/ 4.67H	R= 19.8Re
3 - 1976/357/ 22.50H	R= 2.9Re	10 - 1976/357/ 23.50H	R= 2.5Re	17 - 1976/359/ 13.17H	R= 16.0Re
4 - 1976/357/ 22.98H	R= 4.8Re	11 - 1976/358/ 0.33H	R= 4.2Re	18 - 1976/359/ 15.67H	R= 15.2Re
5 - 1976/357/ 23.08H	R= 1.7Re	12 - 1976/358/ 12.50H	R= 11.3Re	19 - 1976/359/ 17.50H	R= 13.8Re
6 - 1976/357/ 23.08H	R= 1.7Re	13 - 1976/358/ 12.50H	R= 19.7Re	20 - 1976/359/ 17.50H	R= 13.8Re
7 - 1976/357/ 23.17H	R= 1.8Re	14 - 1976/358/ 18.67H	R= 19.6Re		

TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/357/19.00H TO 1976/359/20.00H

HAWKEYE-1

ROTATED INTO THE GSE X-Y PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/359/ 20.17H	LAT= 62.7	11- 1976/360/ 22.00H	LAT= 76.2
2- 1976/360/ 1.33H	LAT= 3.0	12- 1976/361/ 1.00H	LAT= 78.8
3- 1976/360/ 2.00H	LAT= -60.1	13- 1976/361/ 3.00H	LAT= 80.1
4- 1976/360/ 2.25H	LAT= -75.2	14- 1976/361/ 4.50H	LAT= 81.0
5- 1976/360/ 3.25H	LAT= 5.6	15- 1976/361/ 5.50H	LAT= 81.4
6- 1976/360/ 4.32H	LAT= 28.5	16- 1976/361/ 6.50H	LAT= 81.7
7- 1976/360/ 5.75H	LAT= 42.0	17- 1976/361/ 7.00H	LAT= 81.8
8- 1976/360/ 7.42H	LAT= 56.6	18- 1976/361/ 8.50H	LAT= 81.9
9- 1976/360/ 9.67H	LAT= 58.0	19- 1976/361/ 14.00H	LAT= 79.4
10- 1976/360/ 13.00H	LAT= 69.0	20- 1976/361/ 20.47H	LAT= 70.0

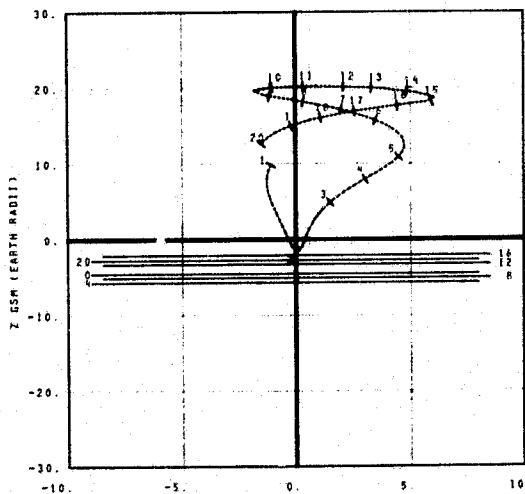
TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/359/20.00H TO 1976/361/21.00H

HAWKEYE-1

PROJECTED ONTO THE GSM Y-Z PLANE



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/359/ 20.17H	R= 11.1Re	11- 1976/361/ 3.00H	R= 20.3Re
2- 1976/360/ 1.33H	R= 1.6Re	12- 1976/361/ 4.50H	R= 20.3Re
3- 1976/360/ 2.00H	R= 7.7Re	13- 1976/361/ 5.50H	R= 20.3Re
4- 1976/360/ 2.25H	R= 10.4Re	14- 1976/361/ 7.00H	R= 20.1Re
5- 1976/360/ 3.25H	R= 13.4Re	15- 1976/361/ 11.00H	R= 19.2Re
6- 1976/360/ 4.32H	R= 17.0Re	16- 1976/361/ 13.50H	R= 18.3Re
7- 1976/360/ 5.75H	R= 18.0Re	17- 1976/361/ 15.50H	R= 17.4Re
8- 1976/360/ 7.42H	R= 18.7Re	18- 1976/361/ 17.00H	R= 16.5Re
9- 1976/360/ 9.67H	R= 19.4Re	19- 1976/361/ 18.50H	R= 15.5Re
10- 1976/361/ 1.50H	R= 20.2Re	20- 1976/361/ 21.00H	R= 13.5Re

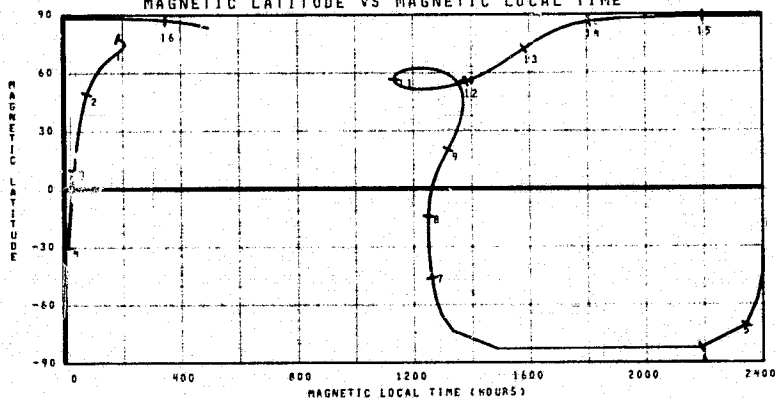
TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/359/20.00H TO 1976/361/21.00H

HAWKEYE-1

MAGNETIC LATITUDE VS MAGNETIC LOCAL TIME

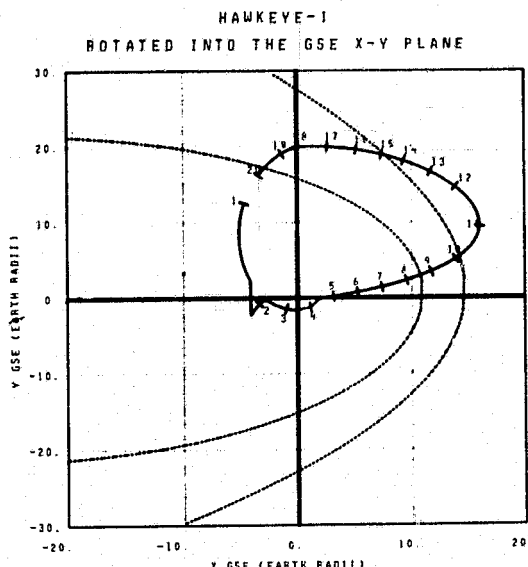


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/359/ 20.17H	R= 11.1Re	8- 1976/360/ 3.75H	R= 9.6Re	15- 1976/361/ 18.00H	R= 15.9Re
2- 1976/360/ 1.33H	R= 1.6Re	9- 1976/360/ 7.75H	R= 10.7Re	16- 1976/361/ 19.00H	R= 15.2Re
3- 1976/360/ 2.00H	R= 7.7Re	10- 1976/360/ 11.83H	R= 16.7Re		
4- 1976/360/ 2.25H	R= 1.7Re	11- 1976/360/ 23.00H	R= 19.0Re		
5- 1976/360/ 3.25H	R= 1.7Re	12- 1976/361/ 7.50H	R= 20.0Re		
6- 1976/360/ 4.32H	R= 1.7Re	13- 1976/361/ 13.00H	R= 18.5Re		
7- 1976/360/ 5.75H	R= 2.6Re	14- 1976/361/ 17.00H	R= 14.5Re		

TIME AS YEAR/DAY/HOUR

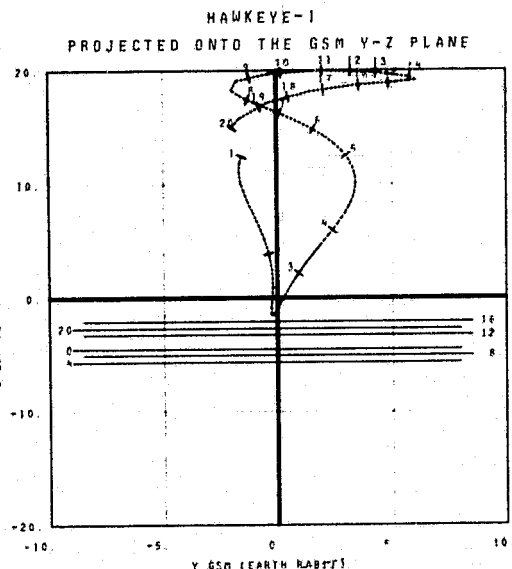
TIME INTERVAL OF PLOT 1976/359/20.00H TO 1976/361/21.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/361/ 21.17H LAT= 68.9	11- 1976/362/ 21.67H LAT= 72.4
2- 1976/362/ 4.33H LAT= 12.2	12- 1976/363/ 3.67H LAT= 78.3
3- 1976/362/ 5.17H LAT= -54.5	13- 1976/363/ 5.67H LAT= 79.8
4- 1976/362/ 5.42H LAT= -79.8	14- 1976/362/ 7.17H LAT= 80.7
5- 1976/362/ 6.25H LAT= -2.5	15- 1976/363/ 8.17H LAT= 81.2
6- 1976/362/ 7.30H LAT= 25.2	16- 1976/363/ 9.17H LAT= 81.5
7- 1976/362/ 8.60H LAT= 35.4	17- 1976/363/ 10.17H LAT= 81.8
8- 1976/362/ 10.25H LAT= 49.0	18- 1976/363/ 11.17H LAT= 81.9
9- 1976/362/ 12.33H LAT= 56.4	19- 1976/363/ 14.67H LAT= 81.2
10- 1976/362/ 15.17H LAT= 63.1	20- 1976/363/ 20.17H LAT= 76.2

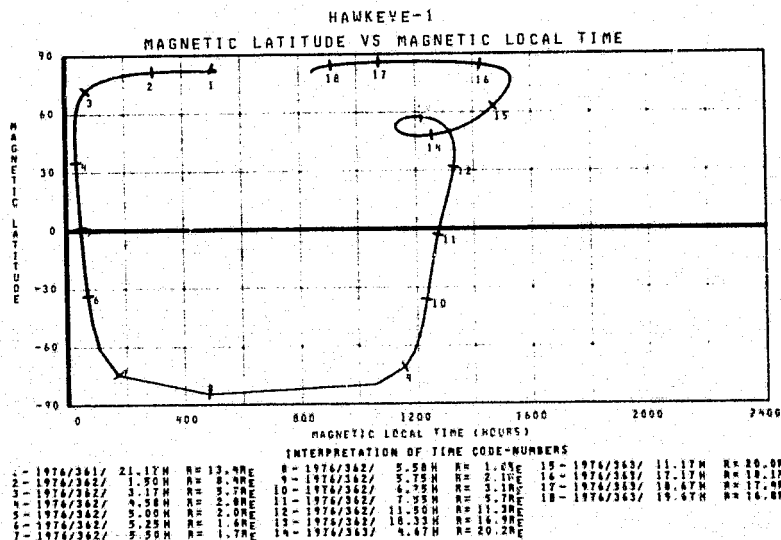
TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1976/361/21.00H TO 1976/363/22.00H



INTERPRETATION OF TIME CODE-NUMBERS

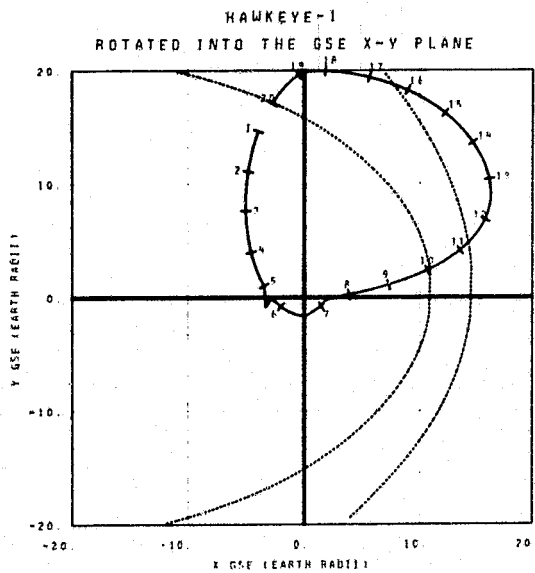
1- 1976/361/ 21.17H R= 13.4RE	11- 1976/363/ 4.67H R= 20.2RE
2- 1976/362/ 4.33H R= 4.0RE	12- 1976/363/ 5.67H R= 20.3RE
3- 1976/362/ 5.17H R= 5.3RE	13- 1976/363/ 6.67H R= 20.3RE
4- 1976/362/ 5.42H R= 6.8RE	14- 1976/363/ 7.67H R= 20.3RE
5- 1976/362/ 6.25H R= 14.3RE	15- 1976/363/ 8.67H R= 19.5RE
6- 1976/362/ 7.30H R= 14.1RE	16- 1976/363/ 9.67H R= 19.1RE
7- 1976/362/ 8.60H R= 17.2RE	17- 1976/363/ 10.67H R= 18.5RE
8- 1976/362/ 10.25H R= 18.2RE	18- 1976/363/ 11.67H R= 17.9RE
9- 1976/362/ 12.33H R= 19.8RE	19- 1976/363/ 12.67H R= 17.1RE
10- 1976/362/ 15.17H R= 20.0RE	20- 1976/363/ 13.67H R= 15.5RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1976/361/21.00H TO 1976/363/22.00H



TIME AS YEAR/DAY/HOUR
TIME INTERVAL OF PLOT 1976/361/21.00H TO 1976/363/22.00H

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OF POOR QUALITY



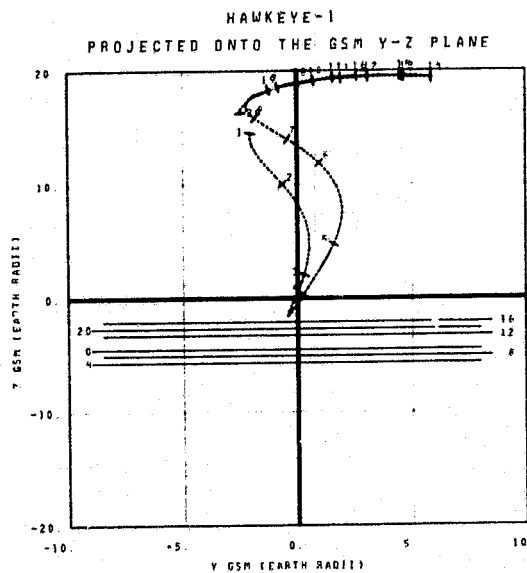
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/363/ 22.17H	LAT= 73.2	11- 1976/364/ 17.67H	LAT= 61.6
2- 1976/364/ 1.67H	LAT= 65.7	12- 1976/364/ 22.17H	LAT= 69.1
3- 1976/364/ 4.17H	LAT= 56.2	13- 1976/365/ 3.00H	LAT= 74.8
4- 1976/364/ 6.17H	LAT= 41.0	14- 1976/365/ 6.50H	LAT= 78.0
5- 1976/364/ 7.42H	LAT= 16.4	15- 1976/365/ 9.00H	LAT= 79.8
6- 1976/364/ 8.08H	LAT= -20.5	16- 1976/365/ 11.00H	LAT= 81.0
7- 1976/364/ 8.67H	LAT= -74.1	17- 1976/365/ 12.50H	LAT= 81.6
8- 1976/364/ 9.83H	LAT= 11.1	18- 1976/365/ 14.00H	LAT= 81.9
9- 1976/364/ 11.75H	LAT= 38.9	19- 1976/365/ 14.00H	LAT= 81.8
10- 1976/364/ 14.33H	LAT= 52.5	20- 1976/365/ 22.00H	LAT= 77.9

TIME AS YEAR/DAY/HOUR

LAT IS GSE LATITUDE IN DEGREES

TIME INTERVAL OF PLOT 1976/363/22.00H TO 1976/365/23.00H



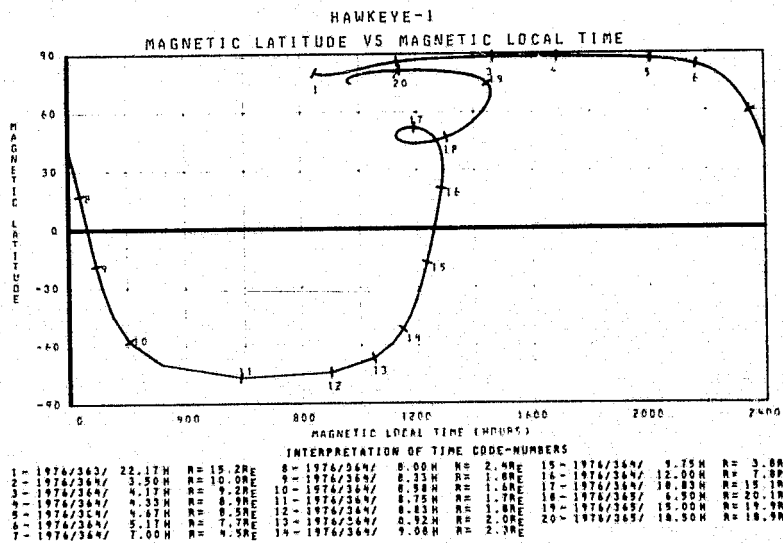
INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/363/ 22.17H	R= 15.2RE	11- 1976/365/ 9.00H	R= 19.8RE
2- 1976/364/ 2.50H	R= 11.2RE	12- 1976/365/ 6.00H	R= 20.0RE
3- 1976/364/ 7.00H	R= 4.5RE	13- 1976/365/ 7.50H	R= 20.2RE
4- 1976/364/ 9.67H	R= 3.4RE	14- 1976/365/ 10.00H	R= 20.3RE
5- 1976/364/ 11.92H	R= 7.7RE	15- 1976/365/ 13.50H	R= 20.1RE
6- 1976/364/ 17.00H	R= 13.6RE	16- 1976/365/ 15.50H	R= 19.7RE
7- 1976/364/ 19.17H	R= 15.3RE	17- 1976/365/ 16.50H	R= 19.5RE
8- 1976/364/ 21.67H	R= 17.0RE	18- 1976/365/ 18.00H	R= 19.1RE
9- 1976/365/ 2.50H	R= 19.1RE	19- 1976/365/ 19.50H	R= 18.5RE
10- 1976/365/ 4.00H	R= 19.4RE	20- 1976/365/ 23.00H	R= 14.8RE

TIME AS YEAR/DAY/HOUR

R IS GEOCENTRIC DISTANCE IN EARTH RADII

TIME INTERVAL OF PLOT 1976/363/22.00H TO 1976/365/23.00H

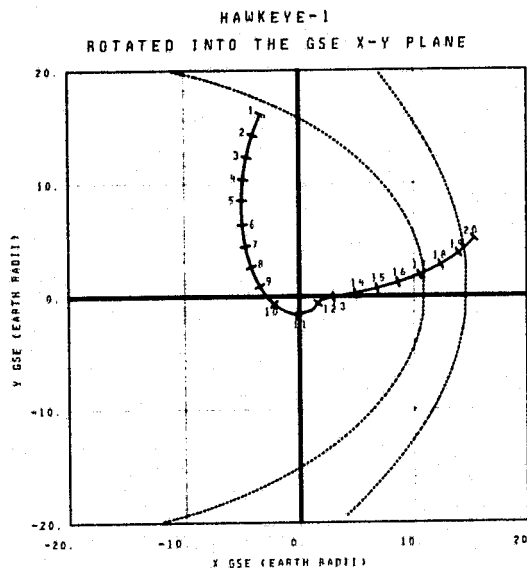


INTERPRETATION OF TIME CODE-NUMBERS

1- 1976/363/ 22.17H	R= 15.2RE	8- 1976/364/ 8.00H	R= 2.4RE	15- 1976/364/ 9.75H	R= 3.8RE
2- 1976/364/ 3.50H	R= 10.0RE	9- 1976/364/ 8.33H	R= 1.8RE	16- 1976/364/ 12.00H	R= 7.8RE
3- 1976/364/ 4.17H	R= 9.2RE	10- 1976/364/ 8.58H	R= 1.4RE	17- 1976/364/ 16.83H	R= 15.1RE
4- 1976/364/ 4.53H	R= 8.9RE	11- 1976/364/ 8.75H	R= 1.7RE	18- 1976/365/ 6.50H	R= 20.1RE
5- 1976/364/ 4.67H	R= 8.5RE	12- 1976/364/ 8.83H	R= 1.8RE	19- 1976/365/ 15.00H	R= 19.9RE
6- 1976/364/ 5.17H	R= 7.7RE	13- 1976/364/ 9.02H	R= 2.0RE	20- 1976/365/ 18.50H	R= 18.9RE
7- 1976/364/ 7.00H	R= 4.5RE	14- 1976/364/ 9.08H	R= 2.3RE		

TIME AS YEAR/DAY/HOUR

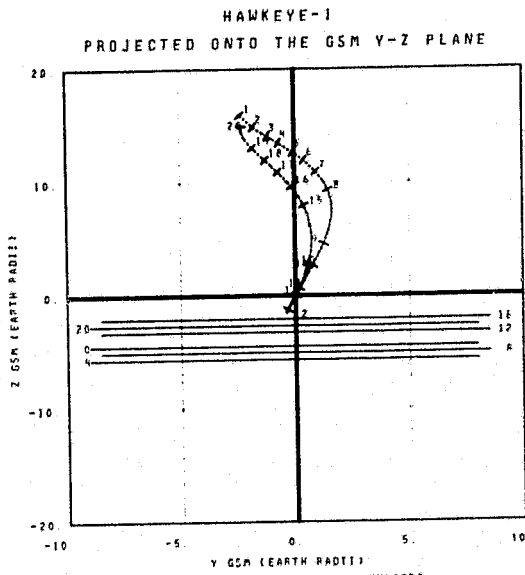
TIME INTERVAL OF PLOT 1976/363/22.00H TO 1976/365/23.00H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/365/ 23.50H	LAT= 74.1	11- 1974/366/ 11.75H	LAT= -79.6
2- 1974/366/ 1.03H	LAT= 72.5	12- 1974/366/ 11.92H	LAT= -47.7
3- 1974/366/ 3.03H	LAT= 68.4	13- 1974/366/ 12.50H	LAT= -6.2
4- 1974/366/ 5.50H	LAT= 63.8	14- 1974/366/ 13.50H	LAT= 21.6
5- 1974/366/ 6.03H	LAT= 58.9	15- 1974/366/ 14.50H	LAT= 35.7
6- 1974/366/ 8.17H	LAT= 51.7	16- 1974/366/ 15.03H	LAT= 44.7
7- 1974/366/ 9.17H	LAT= 43.3	17- 1974/366/ 17.33H	LAT= 51.7
8- 1974/366/ 10.00H	LAT= 31.9	18- 1974/366/ 19.17H	LAT= 57.5
9- 1974/366/ 10.67H	LAT= 15.2	19- 1974/366/ 21.17H	LAT= 62.1
10- 1974/366/ 11.25H	LAT= -17.0	20- 1974/366/ 23.50H	LAT= 64.3

TIME AS YEAR/DAY/HOUR
LAT IS GSE LATITUDE IN DEGREES
TIME INTERVAL OF PLOT 1974/365/23.00H TO 1974/366/23.90H



INTERPRETATION OF TIME CODE-NUMBERS

1- 1974/365/ 23.50H	R= 14.5RE	11- 1974/366/ 10.75H	R= 3.5RE
2- 1974/366/ 1.00H	R= 15.5RE	12- 1974/366/ 11.50H	R= 1.0RE
3- 1974/366/ 2.00H	R= 14.7RE	13- 1974/366/ 12.75H	R= 5.3RE
4- 1974/366/ 2.67H	R= 14.2RE	14- 1974/366/ 13.90H	R= 5.4RE
5- 1974/366/ 3.50H	R= 13.9RE	15- 1974/366/ 17.00H	R= 10.3RE
6- 1974/366/ 4.17H	R= 12.0RE	16- 1974/366/ 18.25H	R= 11.1RE
7- 1974/366/ 5.00H	R= 12.0RE	17- 1974/366/ 19.33H	R= 12.0RE
8- 1974/366/ 6.17H	R= 10.7RE	18- 1974/366/ 20.33H	R= 13.7RE
9- 1974/366/ 9.00H	R= 6.7RE	19- 1974/366/ 21.50H	R= 14.7RE
10- 1974/366/ 9.92H	R= 5.1RE	20- 1974/366/ 23.03H	R= 16.5RE

TIME AS YEAR/DAY/HOUR
R IS GEOCENTRIC DISTANCE IN EARTH RADII
TIME INTERVAL OF PLOT 1974/365/23.00H TO 1974/366/23.90H

